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HE CHEMIST and DRUGGIST MAY 24, 1947

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

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O. 3509
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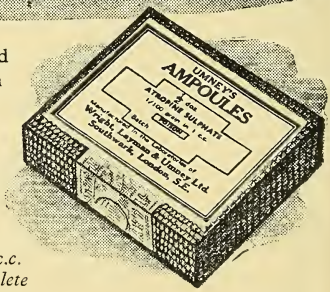

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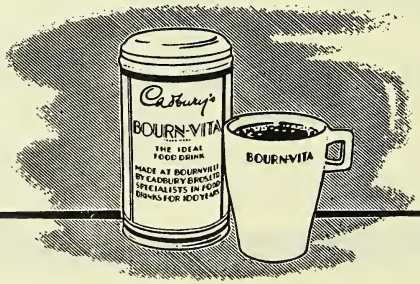

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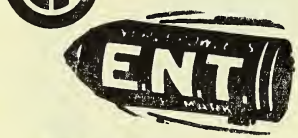

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Tubes of 1 gm.	5/- each (P.T. 7d.)
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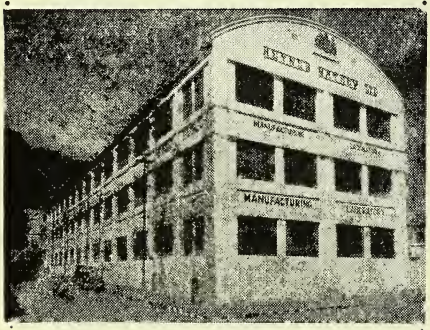

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Assorted 1 oz. and 2 oz. sticks.
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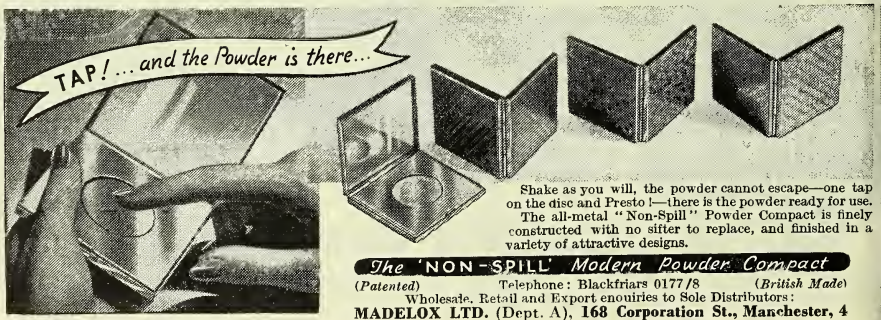

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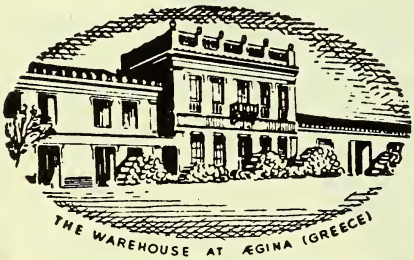

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(GILDING METAL CASE)

Just one of our many quality quick sellers which will enhance your reputation.

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Dental Sticks are manufactured from various types of specially selected soft and hard woods and also from whalebones, and are intended entirely for massaging the gums between the teeth.

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Your customers may ask about DDT.
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Cooper's Flyspray, Household Insecticide, Moth Spray and Moth Powder, Bin Powder, Pulvex.
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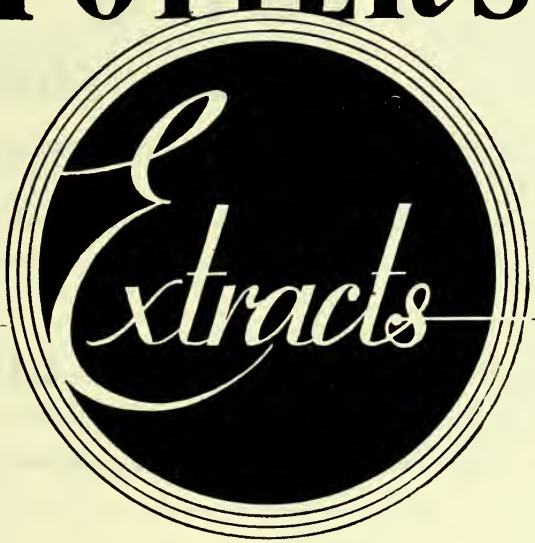

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This really worth-having nus will net you a total ofit of over 60% on outlay every 'Sketofax' sale! ur representatives will e you the details next ne they call on you. Vigor- s advertising is going create a big demand for ketofax' this summer. So der early and prepare for sk trade.

LIVELY DISPLAYS MEAN LIVELY SALES

'Sketofax' insect repellent comes to you neatly packed in these compact, eye-catching display outers. Simply open out, place on your counter and lively sales will follow. There is also an arresting 3-colour showcard to link up your window display with 'Sketofax' advertising.

'SKETOFAX' BRAND Liquid Insect Repellent

Display outers containing:—
72 capsules in packs of 6
1/4 PLUS 2d. PURCHASE TAX

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Display outers containing:—
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Not only at the Critical Moment

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CHRONIC CONDITIONS

BRITISH MADE **Coramine** TRADE MARK REGISTERED

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Stimulant of the Vital Centres

In addition to the Ampoules for subcutaneous, intramuscular and intravenous injection, oral administration may be undertaken with

CORAMINE LIQUID

in certain chronic cardiac affections and to combat respiratory and circulatory disorders arising from fatigue and exhaustion

(*Bottles of* 15 *and* 100 *c.cm.*)

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NEWS OF THE WEEK

Withdrawal of D.D. Authorities.—The Home Secretary has withdrawn from William Hutton Scobie, M.B., Ch.B., D.P.H., Hill House, Tywardreath, Cornwall, and from William Graham Miles, M.B., B.Ch., 7 Ninian Road, Roath Park, Cardiff, the authorities granted to them under the Dangerous Drugs Acts Regulations.

Supplies of Olive Oil.—A statement issued by the Minister of Food on May 19 points out that, although the restrictions on the sale of olive oil to trade users were recently removed, there is likely to be little improvement in supplies for the time being; most oil will continue to be reserved for medicinal purposes.

Soap Rationing. — Coupons available during ration period No. 12, which begins on May 25, are the two upright pairs of small squares numbered K 45/46 and 47/48 on the large square number 12. In ration books R.B.1 and R.B.4 the coupon numbered 45/46 is worth one ration and the coupon numbered 47/48 two rations of soap. The two whole coupons in ration book R.B.2 are each worth two rations of soap. Coupons carried over from ration period No. 11 are not valid in ration period No. 12.

"National" Co-operative Membership?—A plan for "national membership" in the Co-operative movement, whereby any member of a retail Co-operative Society would be credited with dividend on purchases made from other Societies, is to be discussed at the annual Co-operative Congress to be held at Brighton in Whitweek.

Shop Closing Hours.—A memorandum issued by the National Chamber of Trade on May 15 states that the recommendations of the Gowers committee on shop closing hours (see *C. & D.*, May 3, p. 479) do not involve any change from the times at which shops close at the present time, but simply advocate the shortening of the statutory hours of opening by one hour.

Whooping-cough Vaccine Trials. — Trials of a whooping-cough vaccine (see also p. 586) are being carried out by Manchester Public Health Department in co-operation with the Medical Research Council. Inoculations are being given to chil-

dren aged between six and eighteen months who have neither previously suffered from whooping-cough nor received injections against it. Some 800 parents have given permission for their children to participate.

Wholesale Prices in April.—A further increase of 1.9 per cent., as measured by the Board of Trade index number, was registered in wholesale prices during April, bringing the rise in the four months to nearly 4 per cent., against 6 per cent. in the whole of 1946. Among "chemicals and oils," the most important increases were in crude palm-kernel oil and refined groundnut oil. Miscellaneous chemicals showed a rise of 7½ per cent., and coal-tar products and drugs groups each rose by 1 per cent.

Women Pharmacists' Officers.—The following officers of the National Association of Women Pharmacists have been appointed for 1947-48:— *President,* Miss D. M. Jones; *Vice-president* and *Secretary,* Miss E. F. Hayward, 29 Summerlee Gardens, East Finchley, London, N.2; *Employment Secretary,* Miss E. M. E. Brighten, The Moat, Sandy Lodge Road, Rickmansworth, Herts; *Treasurer,* Miss D. Morgan, 38 Gloucester Road, North Harrow; *Registrar,* Miss V. Burrell, 1 South Close, Rayners Lane, Pinner; *Committee,* the Misses K. Bell, M. A. Burr, M. C. Islip, M. Lloyd, C. Mozley-Stark, M. Price, F. Prince, D. Murgatroyd, S. Schneiderman, and Mrs. J. Spencer, with Mrs. J. K. Irvine, *ex officio.*

Diploma in Biochemical Analysis.—The following candidates were successful in examinations for the Diploma of Biochemical Analysis held by the Pharmaceutical Society in England and Wales in April:— Eric Adams, Albert William Austin, John Ridley Binks, Alec William Bridges, Robert McGregor Brodie, David Maxwell Brown, Frederick Edwin Rawson Byron, Edwin Harold Cattell, Philip Crees, Audrey Huxley Davies, Eric Walter Gordon Dilkes, Frederick William Townley Fagence, Albert Henry Fenton, Olive Barbara Fletcher, Robert Whittaker Gibson, Robert Bernard Gilbert, Margaret Patricia Green, Kenneth Holland, Daphne Hotson, Nellie Levy, Denis McGarry, Edward George McGlynn, Philip Heelie Marriott, Albert Norman, Dennis Arthur Norton, Ronald Thomas Patterson, Albert Henry Pryce, Norman Hazlehurst Rider, Douglas Alexander Todd. The following were successful in Scotland:— William Abbie Duguid, John Bennett Grosset, Henry Geddes Hynd, Julius Edward Michaelson, Albert Anderson Moar, Alexander Winter Patterson, Thomas Russell, William Sommerville Tait.

N.H.S. Executive Councils.—The Minister of Health has circulated to all local health authorities, and to all local Medical, Pharmaceutical and Dental Committees, copies of the National Health Service (Executive Councils) Regulations, 1947 (S.R. & O., 1947, No. 889). Under Part I of the regulations, local authorities and committees are required "forthwith" to notify the Minister in writing of the names and addresses of persons appointed by them to be "original" members of an Executive Council in accordance with the National Health Service Act, 1946, and to notify the clerk of the Council of the names and addresses of any other members appointed by them. Part I also prescribes the terms of office of members. Part II lays down the procedure to be followed by Executive Councils. Part III provides for the appointment by an Executive Council of an Ophthalmic Services Committee to arrange, on behalf of the Council, for the testing of sight and the supply of optical appliances. Of the sixteen members of an Ophthalmic Services Committee, three must be ophthalmic opticians and one a dispensing optician. Among qualifications recognised by the regulations for such opticians is membership of the Institute of Chemists-Opticians. According to a statement issued by the Ministry of Health on May 15, most local authorities and committees concerned have already submitted names of persons appointed by them to the first Executive Councils which are now in the process of being set up.

LOCAL NEWS

West London Dance.—At the first postwar dance of the Western [London] Pharmacists' Association recently, £20 was raised for the Pharmaceutical Society's Benevolent Fund.

Glasgow Pharmacy Club.—At the annual meeting of the bowling section of the Glasgow Pharmacy Club, held recently, Mr. J. W. Logan was re-elected *President* and Mr. J. L. Thomson *Secretary.*

Manchester Chemists' Golf. — The opening meeting of the Manchester and District Pharmaceutical Golfing Society was held recently at Prestwick, when the competition, under Stableford rules, was for a prize presented by E. Griffiths Hughes, Ltd. The leading returns were: C. L. Compston

33 points, J. Taylor and A. E. Stubbs, each 31, tying for second prize.

Portsmouth Officers.—At a recent meeting of the Portsmouth Branch of the Pharmaceutical Society the following officers were elected: *Chairman,* Mr. A. G. Bradburn; *Vice-chairman,* Mr. E. B. Johnson; *Treasurer,* Mr. W. E. Bown; *Secretary,* Mr. H. N. Griffiths, 51 Stakes Road, Purbrook, Hants; *Committee,* Messrs. A. G. Tatford, P. G. Howes, T. A. Johnson, F. H. Ruoff, N. L. Banks, A. W. Goddard, R. G. Tremlett, C. Fry, L. S. Snellgrove, J. C. Bloomfield and G. Lowson.

Cherbourg Pharmacist Visits Plymouth.—Among representatives of Cherbourg who paid an official visit to Plymouth recently was a French pharmacist, M. Emile Le Cannu (a deputy mayor of Cherbourg). The party crossed the channel in H.M.S. Wizard, a destroyer, specially assigned for the occasion by the Admiralty. The Plymouth Branch of the Pharmaceutical Society was represented at a reception to welcome the visitors by Messrs. E. Burrow (chairman), A. G. Madge (secretary) and Councillor T. B. Harvey, and the opportunity was taken to discuss the problems of English and French pharmacy with M. Le Cannu.

Halifax Secretary Retires.—At a recent meeting of the Halifax Branch of the Pharmaceutical Society Mr. F. Swire (president) thanked the retiring secretary (Mr. J. Allan) for his services during the past ten years and introduced the new *Secretary* (Mr. Charles Stevens, LL.B., 112 Clapton Mount, Halifax). Mr. J. Ward proposed and Mr. G. Wilson seconded that the Branch send two delegates to the Federation of North-east Branches. Messrs. F. Swire and C. Stevens were nominated and elected. Mr. E. A. Brocklehurst (a member of the Pharmaceutical Society's Council) described the Council's work during the past three years and dealt with the National Health Service and the Society's proposed new constitution and education plan. A vote of thanks to Mr. Brocklehurst was proposed by Mr. L. Chambers.

North London Annual Meeting.—At the annual meeting of the North Metropolitan Branch of the Pharmaceutical Society and the North London Pharmaceutical Association on April 29, the following officers were elected: *President* and *Chairman,* Mr. J. H. Spencer; *Vice-chairman* and *Vice-president,* Mr. L. C. Matthews; *Treasurer,* Mr. A. W. Leaversuch; *Secretary,* Mr. A. E. Footitt, 28 Hill Rise, Potters Bar, Middlesex. Mr. A. Stewart opened a discussion on the proposed revision of the Society's Charter (see *C. & D.,* April 19, p. 437), pointing out that the establishment of a single statutory register would release all members from jury service. By requiring pharmacists from Northern Ireland and the colonies to pass a modified examination, their familiarity with our laws and regulations would be ensured. Mr. Stewart said he would like to see an Empire qualification. The appointment of additional Council members might be open to abuse as the majority on a council might propose others with similar views. Mr. J. H. Spencer said he would like to see greater importance attached to the branch representatives' meeting; branches could discuss the agenda and instruct their delegates accordingly, and the Council should try to act on the delegates' decisions. Mr. J. E. Blackwell opposed any change from a democratic method of election to the Council. It would not be in the interest of members to have a completely nominated Council. Mr. G. Armitage thought the formation of groups within the branches might lead to a division of membership, and he feared the dilution of qualified labour by Apothecaries' Hall and Army dispensers. Mr. A. E. Footitt said that, as a hospital pharmacist, he would welcome a widening of the Charter to include the protection of all pharmacists.

REPRESENTATIVES' CONFERENCE.—Group of representatives of Moore Medicinal Products, Ltd., Aberdeen, at a recent conference at Lochearnhead, in the Trossachs.

IRISH NEWS

Ulster Golf Competition. — Forty-one chemists took part in the Ulster Chemists' Golfing Association's annual competition for the R. G. Groves Memorial Cup, which was held in Belfast on May 7. The cup was won by Mr. G. W. Kennedy with Mr. J. W. Currie as runner-up. The afternoon bogey competition was won by Mr. S. J. Smiley with Mr. J. C. Watt second. Mr. W. B. Groves (vice-president) paid a tribute to the services rendered to the Association by Mr. R. G. Guiler, who was resigning from the treasurership for health reasons. Mr. F. A. McMullan also expressed regret at Mr. Guiler's resignation and thanked him for the help he had given in organising the McMullan Cup competitions. Mr. Guiler, in reply, said he had always enjoyed the social gatherings.

Royal Dublin Society's Show.—Among exhibitors at the Royal Dublin Society's Spring Show, held at Ballsbridge, May 6-10, were the following: Day, Son & Hewitt (Ireland), Ltd. (veterinary medicines); Henry Bell, Ltd. (veterinary medicines and instruments); Imperial Chemical (Pharmaceuticals), Ltd. (veterinary medicines); Plant Protection, Ltd. (insecticides, etc.); Dawn, Ltd. (cosmetics); Crystal Products, Ltd. (cosmetics); Jeyes' Sanitary Compounds Co., Ltd. (disinfectants and insecticides); and Irish Glass Bottle Co., Ltd. (pharmaceutical bottles). Optical and photographic equipment was shown by Dixon & Hempenstall, and soap products by Dixon & Co., and James Crean & Son, Ltd. Hayes, Conyngham & Robinson, Ltd., were represented in the machinery paddock.

Northern Ireland D.D. Order.—The Dangerous Drugs Act (Application) Order (Northern Ireland), 1947, which came into force on May 1, brings under the control of the Dangerous Drugs Regulations the following substances:—

Dihydrodesoxymorphine (commonly known as desomorphine) its salts and any preparation, admixture, extract or other substance containing any proportion of dihydrodesoxymorphine;

Pethidine (1-methyl-4-phenyl-piperidine-4-carboxylic acid ethyl ester) its salts and any preparation, admixture, extract or other substance containing any proportion of pethidine;

Any preparation, not being a preparation capable of external use only, made from extract or tincture of Indian hemp.

Any person or firms (other than those authorised under the Dangerous Drug Regulations) concerned in the manufacture, sale or distribution of any of the drugs and preparations affected should apply to the Secretary, Ministry of Home Affairs, Stormont, Belfast, for licences to permit them to continue their activities; applicants should state in detail the nature and extent of their trade in the drugs and preparations concerned during the past twelve months. [A similar Order became effective in Great Britain on January 1 (see *C. & D.*, 1946.I.764).]

Eire Chemists' Golf.—The first outing of the season of the Irish Chemists' Golfing Society was held recently in co. Louth, when members played for prizes presented by St. Dalmas (Ireland), Ltd., Coty, Ltd., and Allen & Hanburys, Ltd. The winners of a Scotch foursome were Messrs. E. MacManus and P. J. Morgan (38). An eighteen holes stroke competition was won by Messrs. M. Daly (74, handicap 17) and T. J. Lynch (78, handicap 8). Mr. P. McAuliffe (captain), presiding at a supper which followed the competition, thanked members for attending in such force, and welcomed several new members. Prizes were presented to the winners by Mr. A. W. Hughes (St. Dalmas (Ireland), Ltd.), and a vote of thanks was passed to the donors.

OVERSEAS NEWS

Air Freight to South America.—A regular air freight service between London and South America and the British West Indies is now being operated by British South American Airways, Ltd., 19 Grafton Street, London, W.1.

Round Trip.—While on business in Paris recently, Mr. H. A. Berens (a director of Biddle Sawyer & Co., Ltd., Grafton Street, London, W.1) visited the home of the company's Paris agent, Mr. L. Ph. Van Nierop. In the photograph here reproduced, taken by Mr. Van Nierop, Mr. Berens (nearest camera), with Mr. George Cruikshank (Carnegie Bros., Ltd.), is being seen off by Mrs. Van Nierop, and Mr. W. Fletcher (W. Fletcher (Chemists), Ltd.) on the first stage of a round trip to Brussels, Amsterdam, Brussels and back to Paris.

TOPICAL REFLECTIONS

Misconception

During the hearing of the "Jenkin" test ase in 1920, the junior counsel for the harmaceutical Society submitted that the laintiff's case was misconceived. That re-ark may be applied to the appeal forming e subject of your editorial article on pp. 58-59, the plaintiff on this occasion being e Society. It is strange that, with ample gal advice available, the Council of the ociety, as you point out, took proceedings nder the Pharmacy and Poisons Act, 1933, nstead of the Pharmacy and Medicines ct, 1941. A penal statute must, in the ords of the Lord Chief Justice, be con-rued strictly; no principle of legal prac-ce is more firmly established than this. ction I (I) of the 1941 Act would un-oubtedly have been the better way of pproach to legal proceedings. If, however, ere was on the part of the Council and its dvisers a reluctance to raise questions that ight be suggested by a consideration of e subsection as a whole, why could not e circumstances have been reported to the atutory Committee of the Society? This not the first time that a Pharmacy Act s caused trouble in pharmacy. The Act 1868 was followed by the London and rovincial Supply Association case; the Act 1908 by the struggle over the admission apothecaries' assistants to the Register of hemists and Druggists; and the Act of 941 by the case lately decided.

uch Ado

The course of events has prompted a few servations on the well-worn topic of the dvertising and sale of proprietary medi-nes (pp. 557, 565). Only by a super-uman effort can anything new be written this topic in the middle of the twentieth ntury: knowing, therefore, that I am likely be guilty of repetition, I have refrained m refreshing my memory on paragraphs tely written in this section. There is little ubt that I then specified the checks on is advertising that are already function-g—the scrutiny that it must undergo in e office of every reputable newspaper, and e separate schemes of the Chemists deration, the Advertising Association and e Proprietary Association of Great itain. The last-named body, I am pleased see, has made a rejoinder in the Press the latest manifesto (the "operation per-clip") of the Pharmaceutical ciety's Council. How comes it that with all that has been and is being done to ensure innocuous advertisements the Council continues to hand out the old *clichés* about the alleged iniquities of the proprietary-medicine trade? "What I tell you three times is true," wrote Lewis Carroll; in a world of fantasy a statement is presumably more true and more profound if it is made with a solemn face and at great length. From many disreputable conclusions drawn by the Council, I select No. 15, which asserts that the collective influence of these numerous advertisers of medicines prevents the ventilation of reforms in the public Press, "and so derogates from the principle of the freedom of the Press." For several years past I have noticed that, in one daily newspaper (and possibly in others), one day of the week is distinguished by a large number of advertisements from drapers, furriers and other classes of trader catering for feminine adornment. The absurdity of the Council's fifteenth conclusion would be matched if some corporate body wrote to a Cabinet minister stating that so massive a display of advertisements of a single type must adversely affect "the principle of the freedom of the Press."

Science at Glasgow University

The announcement that the bicentenary of the establishment of a lectureship in chemistry at Glasgow University is to be celebrated during the coming summer (p. 545) is of considerable interest. People in the South of England are apt to speak and write as if all universities other than those of Oxford, Cambridge and London were of little account. Actually, the University of Glasgow compares favourably with any other British institution of the same kind, in accomplishment as well as in age. Founded as a studium generale by Papal Bull in 1450/51, the University acquired in 1460 a building that remained its home for more than 400 years. Part of its library dates from the fifteenth century. The lectureship in chemistry developed in 1817 into a chair; and in course of time chairs in botany, materia medica, bacteriology, organic chemistry and physiological chemistry were set up. In chemistry and sciences related to it the record of the University is almost unrivalled. To realise this we have only to recall the names of William Cullen, Joseph Black, Sir William Hooker, Kelvin, Lister, and Sir William Ramsay. Long may the record continue.

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COMPANY NEWS

ESSENTIAL CHEMICALS, LTD. (P.C.).—Registered in Dublin. Capital £1,000. Martin Murphy, subscriber, 24 Haddon Road, Clontarf, Dublin.

ELFYN REES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Frederick W. Hill and Elfyn Rees, M.P.S., directors. R.O.: 1 Crane Street, Pontypool.

MILNER'S (EASTBOURNE), LTD. (P.C.).—Capital £500. To carry on the business of chemists, druggists, etc. Dennis Seaman, George E. Meech, Maud Meech and Kenneth H. Milner, Ph.C., directors. R.O.: 57 Seaside Road, Eastbourne.

TRILLE LABORATORIES (ENGLAND), LTD. (P.C.).—Capital £500. To acquire the business of a manufacturing chemist carried on at Elgar Place, Ramsgate, Kent, as "The Excel Proprietary Co."

CONCENTRA (LONDON), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, oils, brushes, toilet requisites, perfumes, etc. The first directors are not named. R.O.: 5 Porchester Terrace, London, W.2.

HARBER (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturing, pharmaceutical and general chemists, etc. Lizzie Harber, Kathleen M. Woolgrove and Leslie H. Woolgrove, M.P.S., directors. R.O.: 110 High Street, King's Heath, Birmingham, 14.

V.T.M. RESEARCH LABORATORIES, LTD. (P.C.).—Capital £100. To carry on the business of manufacturing, wholesale and retail chemists and photographers, etc. Mortimer C. Morgan and Vincent T. Morgan, directors. R.O.: Waverley House, 37 West Gate, Mansfield.

UCAL (EXPORT), LTD. (P.C.).—Capital £100. To carry on the business of exporters of, agents for and dealers in chemicals, etc. Charles K. Gregory, M.P.S., George V. Greenwood, M.P.S., and Joseph Hearle, M.P.S., directors. R.O.: Ucal Works, Cheltenham.

BRITISH OVERSEAS PERFUMES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers and distillers of and dealers in perfumes, essences and soaps. Douglas F. Alexander and Francis W. Cavanagh, directors. R.O.: 11-12 St. James' Place, London, S.W.1.

MCEWEN, BARNES & CO., LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers, merchants, importers and exporters of and dealers in merchandise of all kinds, including cosmetics, perfumes and toilet requisites, etc. J. C. V. Lewis, 5 Ridgeway Road, Isleworth, Ernest F. V. Barnes and Thomas H. Lovejoy, directors.

INTERNATIONAL SPONGE IMPORTERS, LT —Sir John Fowler Harrison, and Messr G. J. Fox and W. E. Cashmore have bee appointed directors.

ENERGEN FOODS CO., LTD.—Net profit fo the year 1946 amounted to £11,944, agains £4,915 in the previous year. A final div dend of 12½ per cent. is recommended, mal ing 22½ per cent., against 17½ per cent. i 1945.

UNICHEM, LTD.—A dividend of 10 pe cent. on the ordinary shares has been d clared. £800 has been apportioned t national advertising reserve, £250 to gener reserve and £836 carried forward. Men bership increased during 1946 by 109 add tional pharmacies, the present total men bership being 486.

BRITISH ALKALOIDS, LTD.—Profit for th year ended March 31, 1947, was £153,50 before providing £67,000 for taxation. a against £167,000 for the previous twelv months, out of which £110,000 was require for taxation. Final dividends are recon mended of 37.93 per cent., less income ta on preference shares, making 54.53 per cent less tax, for the year; and on the ordinar shares of 75 per cent., less income tax, mal ing 100 per cent., less tax, for the year.

MONSANTO CHEMICALS, LTD.—The list o applications was opened and closed on Ma 14 for 1,500,000 3¾ per cent. redeemab cumulative preference £1 shares and 600,0 ordinary 5s. shares at 21s. and 42s. 6d. pe share, respectively. Both offers wer heavily oversubscribed. The general bas of allotment for the preference shares wa about 20 per cent. and for the ordinar shares, about 3 per cent.

BUSINESS CHANGES

MR. JOHN MULVEIN, M.P.S., will contin to run the business at 44 High Street, Ma bole, at which he was in partnership wit the late Mr. Thomas Boyd, M.P.S. (see 584).

MR. T. M. ARTHUR, M.P.S., F.N.A.O., h acquired the business at 10A Buckstor Terrace, Edinburgh, 10, formerly carried o by Wm. Adams (Chemist), Ltd.

RENTOKIL, LTD., 168 Stockwell Roa London, S.W.9, have transferred the bulk o their factory to Fetcham, Surrey. The ne premises includes an insecticide researc laboratory under the direction of Mr. N. I Hickin, Ph.D., F.R.E.S.

ASHLEY & WEEKS, LTD., have appointe Mr. D. R. Murdoch as their sales represent tive in the South-east counties, includin South London, and Mr. N. W. B. Sayers a their representative in the North Londo Essex, Bedfordshire and Hertfordshi areas.

LEGAL REPORTS

Theft of Pills.—For stealing pills, etc., o a value of £10, from the premises of imothy Whites & Taylors, Ltd., Blackburn, here he was employed, Thomas Ashton, orter, was fined £5 at Blackburn on lay 9. He said he took the pills to do his ttle girl good as his wife could not afford buy them. Alderman Critchley, Ph.C. hairman), told accused he had abused his ust as an employee.

N.I. Pharmacy Act Fine.—At Lisnaskea, o. Fermanagh, Petty Sessions on May 15, ewis Lascelles, Roseberry Gardens, Belfast, as fined £5, with £2 costs, for having sold n article recommended by him as a medine without a label or in a container showg the approximate designation of subance. The police said Lascelles was selling blets in the street at 2s. a packet and telng purchasers they would cure rheumam and other ailments. A fine of £2, with s. costs, was also imposed for selling in e street.

Sale of Almond Substitute.—A submisn that the sale of a substitute article was t to the prejudice of the purchaser was ade at Burnley on May 14, when H. oxhall (Burnley), Ltd., Colne Road, Burn-, denied selling ground almond substite not of the quality demanded. efendents were fined £10, with £3 13s. sts. It was alleged that the substitute was und on analysis to contain a lower fixed content than the 25 per cent. fixed in previous Burnley case. The borough alyst said that microscopic examinations vealed the substitute was worthless as a bstitute for ground almonds. In its unoked state, it might give rise to digestive uble. For the defence, it was stated that ople had come back for more in spite of e prosecution.

Under Influence of Drug.—In imposing, Liverpool, recently, a fine of £5, with s. 6d. costs, on Dr. Gerald Francis rran, 240 Stanley Road, Bootle, on a arge of driving a car while under the luence of drink or drugs to such an extent to be incapable of having proper control, e Liverpool stipendiary magistrate said, accept the evidence that you took an erdose of this drug by mistake." Dr. rran had pleaded not guilty. Defending icitor said Dr. Curran took a dose of enobarbitone because his nerves were H. By mistake he took two one-grain blets instead of two half-grain tablets. is happened because he took the wrong bottle from the shelf. Later, while making a professional call, he had a double brandy in a cup of tea. For the defence, evidence as to the drug and its effects was given by Dr. Brookfield, Liverpool, and Dr. W. H. Grace (lecturer in forensic medicine and toxicology, Liverpool University).

Unauthorised Possession of Morphine.—At Liverpool, on May 16, Edward George Hodskinson, M.P.S., 17 Woolton Street, Woolton, was fined a total of £20 on charges of procuring for himself, without authority, forty-six tablets of morphine sulphate on or about February 15, and 1,091 tablets of the same drug on or about November 10, 1946, and of failing to register the receipt of morphine sulphate in 1945. He pleaded guilty. Prosecuting solicitor said that shortly after Hodskinson had ceased to manage a pharmacy in Allerton in February, information reached his former employer which led to investigation being made. It was found that forty-six tablets were missing from one shop and unaccounted for by any entries in the books. At another shop, 1,091 tablets were unaccounted for. If Hodskinson had gone to a doctor, there would not have been any difficulty in having these quantities of morphine sulphate tablets prescribed for him. The prosecution accepted Hodskinson's statement that he took the tablets to relieve pain in a leg. It was seriously injured in 1933, and he had undergone nine surgical operations on it.

INQUESTS

Died in Nursing Home.—That death was due to an overdose of a mixed barbituric acid poison was revealed at an inquest at Hammersmith, recently, on a sixty-seven-year old woman who was found dead in bed in a nursing home to which she had just been admitted. She had taken a number of Soneryl tablets into the nursing home by agreement with her doctor. An open verdict was returned.

Barbituric Acid Suicide.—At an East Surrey inquest on Mr. Frederick Joseph Ploughwright, aged thirty-nine, a verdict of "suicide while the balance of the mind was disturbed" was recorded. In giving evidence, the deceased's wife stated that her husband must have taken an overdose of tablets, and she found him unconscious in bed. A pathologist stated that death was due to hypostatic pneumonia following barbituric acid poisoning.

MARRIAGES

DUNDEE-HORNER.—At Belfast on May 15, William Dundee, Captain, Royal Corps of Signals (eldest son of Mr. Alexander Dundee, M.P.S.N.I., Glengormley, Belfast) to Mattie Horner, Belfast.

LEONARD—DAWSON.—At Grimsby, on May 17, Frank Leonard, M.P.S., 226 Victor Street, Grimsby, Lincs, to Margaret Dawson, Grimsby.

DEATHS

ARAM.—Recently, Mr. Charles Baxter Aram, M.P.S., The Haven, Boothby Graffoe, Lincoln, aged sixty-five. Mr. Aram was a member of Kesteven county council for seven years and of North Kesteven rural council for ten years.

BOYD.—At Hillside, Maybole, on May 7. Mr. Thomas Boyd, M.P.S., aged seventy. Until seven months ago, when illness compelled him to give up, Mr. Boyd was actively engaged in running his business. He is survived by his widow and one daughter.

CARRIE.—On April 30, Mr. Robert Smith Carrie, 6 Druids Cross Road, Wavertree, Liverpool, aged eighty. Mr. Carrie qualified as a chemist and druggist in 1889.

CHAPMAN.—At Connaught Hospital, Walthamstow, London, E.17, on April 13, Mr. Alexander Sterling Brice Chapman, M.P.S., 61 Beulah Road, E.17. Mr. Chapman qualified in 1898.

CRONE.—On April 14. Mr. William Imray Crone, M.P.S., Heath Cottage, Bankhead, Bucksburn, Aberdeen. Mr. Crone qualified in 1915.

DUNBAR.—At the Royal Surrey Hospital, Guildford, on May 13, following an accident, Mr. John Peter Dunbar, M.P.S., 4 Rectory Place, Guildford. Mr. Dunbar had been a representative of The British Drug Houses, Ltd., London, since 1941. Previously he was with Southall Bros. & Barclay, Ltd., Birmingham.

FAIRLEY.—Recently, Mr. Charles Ernest Fairley, M.P.S., 10 The Graiglands, Sunderland. Mr. Fairley qualified in 1895.

KERR.—On April 24, Mr. Malcolm Kerr, M.P.S., Windsor Place, Bridge of Weir, Renfrews. Mr. Kerr qualified in 1901.

MARGERRISON.—On May 4, Mr. Hubert Fisher Margerrison, 8 Lees Street, Shoreham-by-Sea, Sussex, aged sixty. Mr. Margerrison qualified as a chemist and druggist in 1909.

SMITH.—Recently, Mr. Frederick Alfred Upsher Smith, Ph.C., Room 392 Sexton Building, 529 South Seventh Street, Minneapolis, U.S.A., aged seventy-two. Mr. Upsher Smith, Bell scholar of the Pharmaceutical Society in 1896, passed the Chemist and Druggist Qualifying examination the following year and the Pharmaceutical Chemist examination in 1898, when he was also the winner of the Pereira medal. Mr. Upsher Smith remained as a demonstrator at the Society's school until 1900, when he was appointed research assistant to Professor Greenish. In May 1907 he emigrated to Philadelphia, U.S.A., to join the staff of Sharp & Dohme, Inc. He opened a pharmacy at St. Paul, and observing that American tinctures of digitalis were of low potency, decided to set up a drug farm at Minneapolis. Mr. Upsher Smith was the subject of a "profile" which appeared in a symposium "British Pharmacists Overseas" (*C. & D.*, Annual Special Issue, 1937.I.762). As digitalis grower he claimed to have been responsible for the first commercial products standardised in cat units, the popularisation of capsules of the powdered leaf and for the first American products of digitalis standardised in international units.

SMITH.—Suddenly, on May 20, Mr. George Thomas Smith, M.P.S., managing director of Emmet Distributing Co., Ltd., 140 Park Lane, London, W.1. Mr. Smith qualified in 1924.

SNOWDON.—On December 4, 1946, Mr. William Hall Snowdon, M.P.S., 46 High Street, Spennymoor, co. Durham. Mr. Snowdon qualified in 1896.

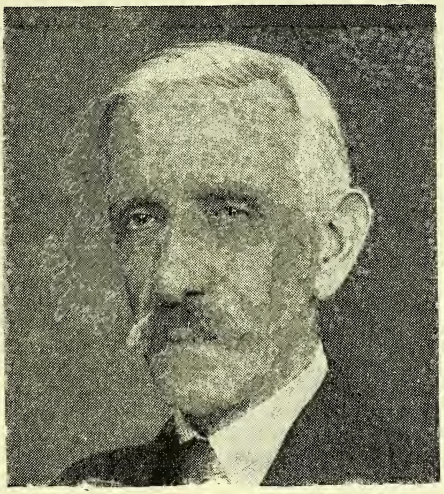
SWAN.—On May 1, Mr. William Swan, 3 The Court, Lyndhurst Road, Hove, Sussex, aged seventy. Mr. Swan qualified as a chemist and druggist in 1902 and was formerly in business at 17-19 St. James's Street, Brighton.

WALKER.—On May 17, Mr. Richard Hayward Walker, for over forty years with S. Figgis & Co., produce brokers, 48 Fenchurch Street, London, E.C.3.

A PIONEER BIOCHEMIST

Death of Sir Frederick Gowland Hopkins, F.R.S.

PHARMACY, in common with the allied professions of medicine and chemistry, must receive with profound regret the news of the death at Cambridge, on May 16, of Sir Frederick Gowland Hopkins, M.A., M.B., D.Sc., F.R.C.P., F.R.S. Sir Frederick, who may almost be regarded as the "father" of the science of biochemistry, at least in Great Britain, commenced his scientific career by attending lectures at University College, London, as a result of which he secured admission as an Associate of the Institute of Chemistry.



The late
Sir Frederick Gowland Hopkins, F.R.S.

Medical Studies

In 1888 he joined the medical school at Guy's Hospital, and was elected the first holder of a research studentship founded in memory of the late Sir William Gull. During a visit to a meeting of the Physiological Society at Cambridge, he was invited to take up an appointment at the University to develop teaching and research in the chemical side of physiology. Several of his most important papers were, in fact, published in the "Journal of Physiology" edited by Sir Michael Foster, from whom the invitation came. In 1901, in collaboration with S. W. Cole, he isolated and identified tryptophane, for which the Hopkins-Cole reaction remains a recognised test. In 1902 he was made University Reader in Chemical Physiology. With W. M. Fletcher he described, in 1906, lactic acid formation in muscle action and its removal by oxidation. With Edith G. Wilcock he showed, by adding substances to a diet in which the sole nitrogenous constituent was a protein-like substance zein, the importance of the amino acids in metabolism. He delivered the inaugural address at the opening of the 1935 session of the Pharmaceutical Society's School.

Discovery of Vitamins

In pharmaceutical circles Sir Frederick is perhaps best known for his researches in connection with vitamins. Some results of his early experiments which had extended intermittently over several years, were published in 1912. Inadequate purification of materials had led earlier workers—and led later workers also—to claim that successful nutrition might be obtained on artificial dietaries. Sir Frederick employed diets in which purification of the protein, carbohydrate, and (as the author then thought) of the fats administered had been fully carried out. A novel feature of the experiments was that he showed by estimations of the energy consumption of the animals that dietary failure was not due to an insufficient food intake. Growth ceased at a time when the animals were consuming food in more than sufficient quantities to maintain normal growth. His announcement of the importance of "accessory food factors" (vitamins) in normal diets came in 1912. In 1914 a Professorship of Biochemistry was created for him at Cambridge and in 1921 he became the first Sir William Dunn Professor of Biochemistry. An original member of the Medical Research Council, Sir Frederick retired from it in 1930, though he accepted office on the Advisory Committee on Nutrition set up by the Ministry of Health in 1931. He was elected a member of the Royal Society in 1905, received the Society's Royal medal in 1918 and its Copley medal in 1926. He was vice-president of the Chemical Society in 1921, was knighted in 1925, received the medal of the Society of Apothecaries in 1928, was President of the Royal Society in 1931 and of the British Association in 1933.

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

THE Pharmaceutical Society may be asked by the Minister of Food to assist in preventing the diversion of supplies of glucose needed for medical use. The possibility that this would happen emerged from a colloquy between MR. F. W. SKINNARD and the Minister of Food on May 12, when Mr. Strachey was asked whether a greater proportion of the available supplies of glucose would be allocated to retail chemists, in view of the difficulty they had at present in honouring prescriptions upon which glucose was included.

MR. STRACHEY replied: I will see whether an increased proportion of the available supply can be diverted to retail chemists, although this can only take place at the expense of some other medical use. It would be helpful if all retailers of powdered glucose would take care to sell this scarce article only against medical certificates.

MR. SKINNARD then asked: In view of the fact that a great number of retail chemists . . . are able to honour only one in ten of National Health prescriptions, will the Minister consider enlisting the assistance of the Pharmaceutical Society to prevent the diversion of supplies for medical use to manufacturers? To this question Mr. Strachey's reply was: It is of great importance that these supplies should be reserved for those who need them, and I will consider the suggestion.

Glycerin Exports

MR. W. S. SHEPHERD asked the President of the Board of Trade why the tonnage of glycerin exported in 1946 was higher than in 1938, despite the fact that many important industries in this country have had their activities curtailed through lack of glycerin supplies.

MR. WILSON (Secretary for Overseas Trade): The increase in 1946 arose from fulfilment in the early part of the year of a commitment to the United States of America, entered into in 1945 when stocks were substantial and there was no reason to anticipate the shortage which developed subsequently. Other exports were considerably below those of 1938.

Paper for Packaging

On May 13 CAPTAIN CROWDER asked the President of the Board of Trade whether an allocation of coal to the paper mills, equal to their consumption in the summer of 1946, represented an increase over the 50 per cent. allocation previously announced; and whether the new allocation would ensure that adequate supplies of commercial stationery and packing materials were available to industry. MR. J. W. BELCHER said the increase would be for the industry as a whole. Paper production would, however, continue to be restricted by the quantity of pulp available.

Medicated Soap

On May 14 MR. B. JANNER asked the Minister of Food why medicated soap could now only be obtained in exchange for coupons, and whether he would reconsider that ruling, having regard to the stringency of the existing soap ration and the importance of medicinal soap in the treatment of many diseases. MR. JOHN STRACHEY replied that there had been no change in the practice of permitting certain medicated soaps to be supplied against medical prescriptions ration-free.

Olive Oil Supplies

On May 15 MR. G. DAGGAR asked the Minister of Food what steps he was taking to make olive oil available to the increasing number of persons to whom it had been recommended. DR. SUMMERSKILL (Parliamentary Secretary) replied that all the olive oil available was, and would continue to be, reserved for distribution through chemists until allocations could be substantially increased. The importers were trying to obtain supplies, but the amount available was still small.

Whooping-cough Immunisation

DR. CLITHEROW asked the Minister of Health on May 16 why he had approved the provision by local authorities of immunisation against whooping cough; who would bear the cost; what was the estimated expenditure for the full year; with whom he had consultations on the matter; and if he would provide the statistical evidence upon which his approval had been sought and given. MR. ANEURIN BEVAN replied that no general approval had been given, but he had consented, in consultation with his medical advisers, to the making of their own arrangements by certain local authorities for trials of whooping-cough immunisation.

PERSONALITIES

Mr. Eerwyn Owen, M.P.S., is a past chairman of the Carnarvonshire Branch of the Pharmaceutical Society. [Corrected note.]

Mr. John W. Longland, M.P.S., 53 High Street, Rishton, Blackburn, has been elected chairman of Rishton Council health committee.

Mr. James C. Sommerville, M.P.S., 2 South Clerk Street, Edinburgh, has been admitted to membership of the Edinburgh Merchant Company.

M. Gustave Van der Elst (*President d'Honneur, Union Professionelle de la Droguerie,* Belgium, and president of the Administrative Commission of the (Belgian) *Ecole de Droguerie*) has been promoted *Chevalier de l'Ordre de Léopold.*

Professor E. L. Hirst, F.R.S., at present Sir Samuel Hall Professor and Director of the Chemical Laboratories, University of Manchester, is to occupy the newly instituted Forbes Chair of Organic Chemistry, University of Edinburgh.

Mr. W. John Merrick, M.P.S. (Evans Medical Supplies, Ltd.) gave a paper at Wigan recently to the North-west Branch of the Association of Assistant Librarians on "The Internal Circulation of Publications by Institutional and Industrial Libraries."

Dr. F. N. Woodward (director of the Scottish Seaweed Research Association) has been lent to the Department of Scientific and Industrial Research for appointment as director of the United Kingdom Scientific Mission in the British Commonwealth Scientific Office, Washington, U.S.A.

Mr. William Duncan Kay, M.P.S., who has been appointed sales manager for Verinder, Ltd., South Africa, is to leave for Johannesburg in mid-July, making business visits in U.S.A. and Canada *en route.* Until recently he was senior representative of Boots Pure Drug Co., Ltd., Nottingham, having joined the company in 1937.

Mr. Cecil H. Stonelake, M.P.S., Guernsey, Channel Isles, has left for California, where he is to attend an international Rotary Club conference. Mr. Stonelake, who is devoting much time to local politics after retiring from business life, is accompanied by his wife. The work of Mr. and Mrs. Stonelake in making surgical appliances during the German occupation of Guernsey was the subject of an article in the *C. & D.,* 1946.I.601.

Miss L. I. Anderson, M.P.S. (secretary, Junior Branch of the Blackpool Branch of the Pharmaceutical Society) gave an address recently on retail pharmacy to the Blackpool Young Wives' Club. It was over the baby scale, she said, that most friendships with whole families were made. "Pharmacy is a pleasant job for women, although there is still a preference for men, especially in the analytical and wholesale sections." Miss Anderson is vice-president of the Blackpool Business Women's Club.

Mr. William Richard Nicholas, M.P.S., 12 Church Street, Mevagissey Cornwall, has been elected chairman of the St. Austell urban district council. Mr. Nicholas is vice-president of the Cornish Branch of the Pharmaceutical Society, a member of the East Cornwall Joint Planning committee, vice-chairman of a local group of primary schools, and governor of the County Grammar School for Boys. He is people's warden at St. Peter's Church, Mevagissey, and was chairman of the Mevagissey Welcome Home and Tribute Fund.

FIFTY YEARS AGO

Prosecutions by the Society

(From the *C. & D.,* May 22, 1897, p. 795)

He (the president) said it was not the custom of the Pharmaceutical Society to seek out cases of infraction of the Pharmacy Acts. In order to obtain evidence it was necessary to procure purchases of poisons, and, having regard to the natural reluctance of neighbours to appear in any subsequent proceedings, it was often unavoidable to employ persons called by the Sheriff "professional witnesses." The points he wished to emphasise were (1) that it was the duty of the Pharmaceutical Society to take proceedings against all persons who were infringing the Pharmacy Acts; (2) that proceedings are taken against the unqualified assistants of registered chemists equally with those of medical men and companies when the sales of poisons are not under the required supervision; (3) that in many cases, as he had previously indicated, proceedings were only possible against the person who actually handed over the poison. It was to be hoped that before long the assistant who had been fined would discover that there was a remedy provided by the law, and that he would succeed in obtaining compensation from his employer. He protested against the remark "some private interest is involved."

TRADE NOTES

Show Material.—New display material featuring Portex medicated plastic "skin" is available from Portland Plastics, Ltd., 6 Victoria Street, London, S.W.1.

Styptic Pencils.—Brotex Products, Ltd., 49A Grayling Road, London, N.15, offer prompt delivery to overseas buyers of alum blocks, styptic pencils, toilet and perfumery preparations, etc.

Again Available.—Thomas Kerfoot & Co., Ltd., Bardsley Vale, Lancs, have re-introduced Vapex antiseptic vapour and are bringing the product to the notice of customers in an advertising campaign in the popular weeklies and monthlies.

Sterilised Solutions for Injection.—Wright, Layman & Umney, Ltd., 44 Southwark Street, London, S.E.1, offer a range of medicinal ampoules produced by the most modern processes at their reconstructed factory.

Summer-season Advertising.—A list of newspapers and periodicals in which advertisements are at present appearing for Valpeda foot balm, issued by Dae Health Laboratories, Ltd., 17 Berners Street, London, W.1, is given in this issue.

Advertised Tooth-brush. — Macleans, Ltd., Great West Road, Brentford, Middlesex, have introduced in four popular colours a Macleans tooth-brush, prepared from Nylon tufts of standard texture. Terms are given elsewhere in this issue.

Nursery Hairbrushes.—Universal Brush Co., Ltd., Luton, Beds, direct attention to their Neolite hairbrush, made of soft synthetic bristle set in attractive coloured handles. A babies' model is available with hand-painted floral and nursery designs.

Lambswool Puffs.—Chemists are recommended by the distributors of Diana Marsh lambswool puffs (W. Sutton & Co., Druggists Sundries London, Ltd., Horseshoe Lane, Enfield, Middlesex), to place orders now for the coming season's trade.

Prices Advanced.—An announcement is made by John McGuffie & Co., Ltd., 10 Castle Street, Liverpool, 2, that owing to the increased costs of manufacture they have been compelled to advance the wholesale and retail prices of Castellan No. 10 cough mixture from May 19.

Denture Fixative.—Thos. Christy & Co., Ltd., Farnham, Surrey, point out that Per-de-co denture fixative has been on the market for a considerable time and has an established reputation. The product is issued in containers, the trade prices of which, given in a recent advertisement in the *C. & D.*, were per doz. and not per oz., as there appeared as the result of a "dropped letter."

Confectionery Prices.—From May 26, the wholesale price of sugar confectionery is being increased by order of the Ministry of Food. The effect is that for such items as glucose barley sugar, retailing at 8½d. per qtr., the maximum wholesale price becomes 241s. 10d. per cwt., an increase of 18s. 10d. per cwt. on the present price. Other prices are proportionately increased, but consumer prices are unchanged.

Anti-pest Preparations.—Several makers have drawn attention to insecticide products that will be in demand during the spring-cleaning "season." They include R. DEMUTH, LTD., Farnham, Surrey, (Pomp "permanent odourless moth proofer"); IMPERIAL CHEMICAL INDUSTRIES, LTD., Nobel House, London, S.W.1 (Gammexane dusts, smokes and sprays) and LEDA CHEMICALS, LTD., 94 Archway Road, London, N.19 (preparations containing DDT).

Holiday Closings.—The premises of BRITISH SCHERING, LTD., 167 Great Portland Street, London, W.1, will be closed from 5.30 p.m. on May 23 until 9 a.m. on May 27 (urgent supplies from Wm. Martindale or John Bell & Croyden).—GLAXO LABORATORIES, LTD., Greenford, will be closed from the usual time on May 23 until May 27 (urgent orders will be dealt with by a small staff from 8.30 a.m. until 12 noon on May 24.)

Again Available.—CIBA LABORATORIES, LTD., Horsham, Sussex, state that Entero-Vioform tablets, an intestinal antiseptic for the treatment of acute and chronic amœbic dysentery and other intestinal affections, are again available. The tablets are issued in bottles of 20 and 100.—COATES & COOPER, LTD., Northwood, Middlesex, state that the following Reed & Carnrick preparations are again available in this country:—Nephritin tablets, Protonuclein tablets, Pancrobilin compound pills, Peptenzyme tablets, Ovacoids and Testacoids.

War Story of Sticky Grenade.—The inside story of the "sticky" bomb or grenade is told for the first time in a booklet published by its makers, Kay Brothers, Ltd.,

Stockport, which reveals how the idea was conceived, many problems of design solved, and large-scale production organised in the tense weeks of 1940 when the lightning sweep of the German panzer divisions across France seemed likely to be repeated in Britain. It is also related how, in Syria, sticky bombs helped to turn the scale in the fighting that wrested that territory from the control of Vichy France. Their use in other fields of war is also indicated.

Rodenticides at Half-price.—The Ministry of Agriculture has arranged for Cymag powder for gassing rats and rabbits to be supplied at half price for the purposes of ridding farmland of the vermin. A 7-lb. tin of the powder contains sufficient to treat some 300 to 400 rat holes or 80 to 100 rabbit holes. Application for the necessary certificate should be made to the Executive Officer of the County War Agricultural Executive Committe by the farmer concerned. The certificate includes an order form for the necessary quantity of Cymag, and the order is completed and forwarded to the nearest dealer, whose name and address is supplied by the Committee.

An Informative Catalogue. — Introducing a new perfumery price list, A Boake, Roberts & Co., Ltd., London, E.15, state: "The catalogue has been produced in accordance with a belief that we have held for a long time—that a catalogue should be a handbook of information rather than a mere price list, and that it should contain a wealth of facts and figures of permanent value to the user. We have tried to give, in a form which makes reference as straightforward as possible, all the essential information about our products. As, however, our laboratories are constantly producing more information (and often new products) as a result of their work on perfumery and cosmetic problems, we can say that this catalogue is by no means our last word, and that we shall add new pages to it from time to time." They invite editorial criticism, but the Editor is reluctant to criticise a production to which so much intelligent planning has been applied. It is possible that the cover, being flexible, should have been made the same size as the pages themselves, or, if desired larger, should have been made rigid, but any defects in this connection will no doubt reveal themselves in use. Apart from suggesting that the second colour, which is most tastefully used on some pages, might have been effectively applied to the trade mark that appears on practically every page, no other fault can be found. The company point out that, with various controls still in force and certain raw materials still in short supply, they may not always be able to supply all the items listed, although they will usually be able to make alternative suggestions. Copies of the catalogue are being sent to customers at home and overseas. A new catalogue of fine and technical chemicals (including perfumery chemicals) is in course of production.

Proprietary Articles Trade Association

Additions to Protected List.—*Edme, Ltd.*, Autumn Sun malt and oil, B.P., 1-lb., 2s. 3d., 19s. doz.; 2-lb., 4s. 3d., 35s. 6d. doz. (exempt from tax). Minimum direct quantity, 3 doz.

Bob Martin, Ltd., Condition-powder tablets, large size, 12s. doz., tax 2s. doz., inclusive retail price 1s. 6d. Tibs, large size, 1s. 4d., 12s. doz., tax 2s. doz., i.r.p. 1s. 6d. Bloom shampoo (three shampoos), 10s. 10d. doz., tax 3s. 7d. doz., i.r.p. 1s. 6d. All previous packs of Bloom shampoos withdrawn. Tibs worm tablets, 9s. doz., tax 1s. 6d. doz., i.r.p. 1s. 1½d.

Alterations.—*Allen & Hanburys, Ltd.*, Allenburys rusks, 1s. 5d., 13s. 10d. doz. (exempt from tax). Ferrodic granules, 8-oz., 27s. 6d. doz., tax 4s. 7d. doz., i.r.p. 3s. 4½d., 16-oz., 46s. doz., tax 7s. 8d. doz., i.r.p. 5s. 7½d. Torch brand malt preparations: Malt extract with cod-liver oil, 15 per cent., 1-lb., 2s. 1d., 19s. 3d. doz.; 2-lb., 3s. 11½d.; 36s. doz.; malt extract, 1-lb., 1s. 10½d., 17s. 3d. doz.; 2-lb., 3s. 7½d., 32s. 6d. doz.; malt extract with halibut-liver oil, 1-lb., 2s. 2d., 20s. doz.; 2-lb., 4s. 1½d., 37s. 6d. doz.; vitamin malt, 1-lb., 2s. 2d., 20s. doz.; 2-lb., 4s. 1½d., 37s. 6d. doz. (all exempt from tax). Prices of other Torch brand malt preparations unchanged.

Armour & Co., Ltd., Glycerin extract of red bone marrow, 4-oz., 48s. 6d. doz., tax 8s. doz., i.r.p. 5s. 11d.; 8-oz., 83s. doz., tax 13s. 8d. doz., i.r.p. 10s. 2d.; 16-oz., 150s. doz., tax 24s. 9d. doz., i.r.p. 18s. 4d.; less 1 per cent. for cash in ten days.

The British Drug Houses, Ltd., Calsimil tablets, bottles of sixty, 22s. doz., tax 3s. 8d. doz., i.r.p. 3s. 1d. Multivite pellets, tins of seventy-five, 5s. 3d., 43s. 6d. doz. (exempt from tax).

Riddell Products, Ltd., Super Pag inhaler (fitted with double bulb) 34s. 10d., 250s. 9d. doz.; (fitted with single bulb) 31s. 6d., 226s. 9d. doz.; (fitted with special single bulb) 33s. 10d., 243s. 6d. doz. Asthmator inhaler, 14s. 6d., 104s. 6d. doz. Jerrofan, 17s. 6d., 126s. doz. (all exempt from tax).

Stewart, Goodall & Dunlop, Ltd., Nuctone, 30s. doz., tax 30s. doz., i.r.p. 6s. 3d. Nuctone Eclaire 30s. doz., tax 30s. doz., i.r.p. 6s. 3d. Nuctone Instanster, 36s. doz., tax 36s. doz., i.r.p. 7s. 6d.

Thawpit, Ltd., Thawpit, 1s. 3d., 11s. 3d. doz. (exempt from tax).

A. Wander, Ltd., Ovaltine rusks, 1s. 4d., 12s. 9d. doz. (exempt from tax).

Wright, Layman & Umney, Ltd., Wright's malt extract with cod-liver oil, 1-lb., 2s. 2d., 19s. 9d. doz., 2-lb., 4s. 1½d., 37s. doz. (exempt from tax). Wright's malt extract with cod-liver oil and iron, 1-lb., 20s. 3d. doz., tax one-sixth, i.r.p. 2s. 5d.; 2-lb., 38s. doz., tax one-sixth, i.r.p. 4s. 7d. Wright's lysol, 1 gall., 15s. 3d., 114s. doz. (exempt from tax).

PERMANENT WAVING BY A COLD PROCESS

BEFORE a cold hair-waving process is attempted, the hair must be graded according to its elasticity and ability to absorb water. The more water the hair can absorb, the less alkali is required in the waving. A useful guide to the amounts of alkali necessary has been given by Nessler, who stated that hair absorbing 100 per cent. water requires solutions containing 1 per cent. alkali to give it a wave; hair which absorbs 10 per cent. water requires 10 per cent alkali; and hair absorbing 20 per cent. water needs 9 per cent. alkali.

Elasticity of Hair

The elasticity of hair is considerable. Dry hair, for example, may stretch one-third of its original length without rupture; wetted with cold water it may stretch about twice as far; but when vapour-wetted (i.e., with steam) it may stretch to about three times its original length. Generally hair can, with safety, be stretched about 65 per cent. with steam, when, on drying, it will return to its original length, provided no mechanical stretching is applied. Hair stretched in steam does not curl unless "moulded" with "moulds" or "rods," fine hair calling for small-diameter rods, coarse hair for rods of large diameter. Stretching should never be taken beyond 15 per cent. for average hair. The methods of winding and heat application must also be taken into consideration.

To form a wave the hair must be stretched and a strain on one side of the hair shaft created, thereby flattening it somewhat. The presence of water allows greater stretching, and the application of heat hastens the process, but a combination of alkaline solutions and heat does the work still more effectively. After a certain amount of exposure to heat and alkali, the hair becomes "permanently set" or waved. Waving of damaged, dyed or bleached hair presents difficult problems to any operator, and the legal aspect has also to be considered.

Cold permanent waving may be achieved by the following method:—

1. The hair is first cleansed from all insoluble soap residues, and residual fats and oils by the aid of soapless foaming shampoo. A typical formula is:—

Sulphonated castor oil	50
Industrial or perfumery spirit ...	15
Distilled water	30
Triethanolamine	5

2. Next a test curl is made with a 6 or 10 per cent. solution of ethanolamine thioglycollate (or thioglycollic acid, or its ammonium, sodium, or potassium salts) assessing the exact time of processing. The usual period is from fifteen to thirty minutes. The reaction is arrested at the desired moment by means of a fixing solution, a typical formula for which is:—

Hydrogen peroxide (20 volumes)	500 c.c.
Tartaric acid	30 gm.
Distilled water	500 c.c.

A fixing solution may also be prepared from citric acid or chlorates. The approximate time of fixation is ten minutes. Heat is produced during the process.

3. The remainder of the curls are wetted and the reaction allowed to continue for the same period as the test curling time, fixing being carried out as before.

4. Finally the whole head is "stripped," rinsed and wave-set in the usual manner.

An alternative method is to use, instead of rods, a paper impregnated with a solution of sulphonated castor oil, one part, and water, ten parts. The paper must be almost dry before using, and the method requires practice before good results can be obtained with certainty.

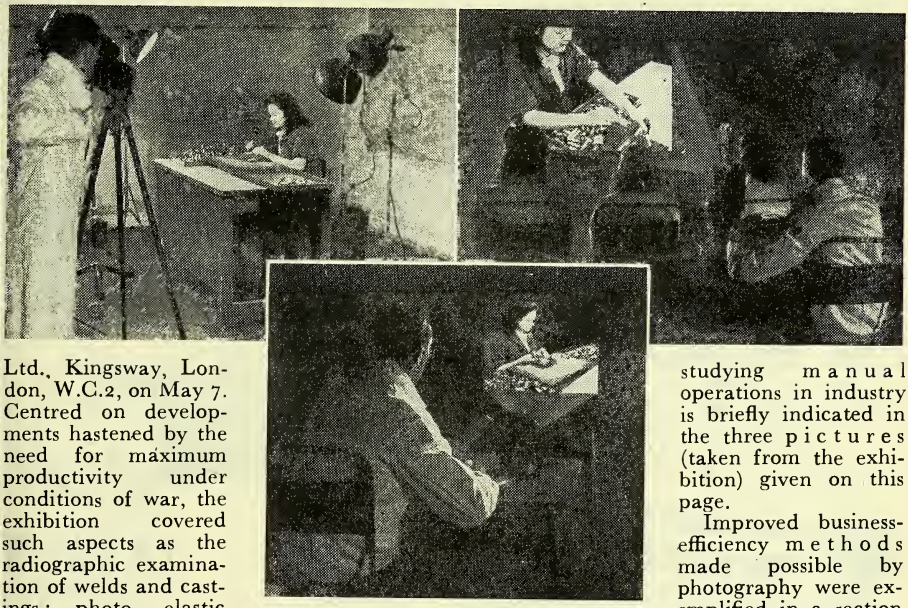
To tighten a wave an acid rinse is used. Tinting, if desired, is carried out before the cold wave process.—*J.B.*

USES OF KHELLIN

KHELLIN, a principle which has been extracted from the seeds of *Ammi visuaga* (an umbelliferous plant growing in Eastern Mediterranean regions), causes "conspicuous and long" relaxation of the visceral smooth muscle, especially the ureters, and in 1945 was shown, further, to be a powerful coronary vasodilator, not affecting blood pressure or increasing the oxygen requirements of the heart. Intramuscular injections of 100 mgm. or doses of 50-100 orally have had "encouraging" results in the treatment of angina, while in bronchial asthma its action is not so prompt as that of ephedrine or adrenaline, but is more lasting. The principle has been found to be a di-methoxy-methylfurano-chromone. A colorimetric method of standardisation based on the pink colour produced by the principle on treatment with potassium hydroxide has been devised by Anrep, Barsoum and others ("Lancet," April 26, p. 557).

PHOTOGRAPHY APPLIED TO INDUSTRY

WAYS in which photographic techniques can be applied in increasing productive efficiency in industry, while economising in man-power, were illustrated at an Exhibition of Applied Photography opened by Kodak, Ltd., Kingsway, London, W.C.2, on May 7. Centred on developments hastened by the need for maximum productivity under conditions of war, the exhibition covered such aspects as the radiographic examination of welds and castings; photo - elastic analysis of stresses; high - speed photography in analysis of of motion in factory operations and as a help in improving the design of machinery; methods of document copying; stereoscopic photography; photomicrography, etc.



OPERATION ANALYSIS BY PHOTOGRAPHY.—Left: A film is made of a worker carrying out a process. Right: Where the operation cannot be improved upon, the film is used in instructing other workers. Below: In slow motion, the film is studied by experts to determine if operations can be shortened.

The radiographic exhibits were designed to show how the nature or performance of internal structures can be examined without destroying the material, and how assemblies can be checked for proper location of parts. The technique of "transfer sensitising," meaning the reproduction of drawings on metal, was illustrated by means of photo-templates with which dies are stamped more accurately and made more cheaply than by other methods. A most effective series of "shots" in the section on high-speed photography showed a liquid fuel in process of atomisation. Films exposed during passage through the cine camera at a speed of 120 m.p.h. were projected at "slow-motion" rate to disclose possibilities of improvements in machinery design, or to instruct factory hands in carrying out operations requiring dexterity or rhythm of movement. The technique of filming and studying manual operations in industry is briefly indicated in the three pictures (taken from the exhibition) given on this page.

Improved business-efficiency methods made possible by photography were exemplified in a section on document-copying, where a customer's order form was shown in its handling by the supplier, from calculation of the value by machine, through checking by hand, addition of name, address and order number by machine to a detachable "stub," removal of the stub for ledger posting, and photographing of the order for record purposes, to the use of the order as delivery note and invoice. Photomicrography, electron micrography and *x*-ray photography were used in making some most revealing enlargements, including several particularly fine colour photomicrographs of crystals (asparagine, *p*-dibromobenzene) under polarised light.

Bactericidal Vapour.—Triethylene glycol vapour distributed through air-conditioning installations is being used in the United States to reduce the concentration of bacteria in the air.

RANKIN BROTHERS & SONS
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139 BERMONDSEY STREET, LONDON, S.E.1
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Some lines not yet available owing to war-time regulations.
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Bisley Works, Whittall Street, Birmingham, 4

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SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST
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MANsion House 1924 & 6600. Estd. 1826.

DRURY'S PHARMACEUTICALS LTD. NEWARK ENGLAND

Senna
FROM OUR OWN GROWERS *Alexandrian & Tinnevelly Pods, Leaves, Siftings*
John Ronaldson & Co. Ltd., Universal House, Southwark Bridge, London, S.E.1 Phone: Waterloo 6151

HARRINGTONS *Brand*
ASPIRINS
7½ & 5 grain Packed 10's to 1,000's
HOME AND EXPORT
London Office : 2 BERRIDGE Grn., EDGWARE, LONDON

INFORMATION WANTED

Information with respect to suppliers of the following items would be appreciated:

Volistic. Khellin tablets.
Samfoin. Phenatoel.
Aurovirin or Orovirin.

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

MAY 24 1947

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 2/- extra.

SITUATIONS OPEN

s for 40 words or less, 2d. for every additional word

RETAIL (HOME)

SSISTANT, qualified preferred but not essen-tial. Permanent congenial position and good ary. Living accommodation. Qualified lady con-ered. Please give particulars of age, experience, ., Skitt's Pharmacies, Ltd., 104 High Street, msgate.

SSISTANT required for dispensing. Perman-ency. Full particulars and experience to W. T. nd, 78 Queens Road, Leicester.

IRMINGHAM. Qualified assistant for dispens-ing. Lady or gentleman. Permanent post. Reply ing experience, age and salary to Sidney H. unt, Ltd., 106 Bordesley Green, Birmingham, 9.

IRSTALL Industrial Co-operative Society, Ltd. Applications are invited for the vacancy of perintendent chemist. N.U.C.O. wages and con-ions. Trade £3,700 p.a., with ample scope for pansion for man with initiative. Applications to ch the Secretary and General Manager, 1 Victoria eet, Birstall by first post May 31st, 1947.

HEMISTS' assistants (ladies) wanted for clerical work in the N.H.I. checking bureau and stock cing departments. Apply National Pharmaceu-al Union, 4-5 Queen Square, W.C.1.

ITY druggist requires experienced lady assistant in cosmetics. Good hours and wages. Apply y's, 113 Finsbury Pavement, E.C.2.

ISPENSING assistant, male or female, required for suburban family business, North London. rite 175/898, C. & D. Office.

B. DUNN (Chemists), Ltd., require an ex-perienced lady assistant for toilet and general es counter. Knowledge of dispensing an advan-e, though not essential. Hours 9 to 6, Wednes-y half-day. Apply by letter, giving usual parti-lars, salary required, etc., to 22 Sandy Park Road, istol, 4.

NERGETIC manager required for branch phar-macy in Welwyn Garden City. Busy dispensing siness. Apply with full details to Johns, Chemist, elwyn, Herts. Tel. Welwyn 104.

NFIELD, North London. Pharmacist required to manage good-class family business in Enfield strict. Scope for development. Good salary offered competent man. No living accommodation. rite 175/894, C. & D. Office.

SSEX, near London. Qualified manager required for important pharmacy in busy shopping ntre; must be energetic, able to control staff and ck. Keen on display. Good salary with excellent ospects. Completely renovated living accommo-tion available. Write 175/897, C. & D. Office.

UERNSEY, Channel Islands, Qualified wanted. Congenial post, easy hours. Interview can be ranged London, 12th to 24th May. Write, stat-g age, salary etc., to C. Stonelake & Co., uernsey.

FOLKESTONE. Hall & King have vacancy for pharmacist as senior assistant. Good dispens-ing experience essential. Apply in first instance with full particulars to 36 Grosvenor Gardens, N.14.

HOLLOWAY, N. Manager required for busy main road pharmacy, energetic, experienced, used to N.H.I. Living accommodation available. Good salary. Write 175/893, C. & D. Office.

HOUNSLOW. Pharmacist required to manage good-class pharmacy. Good salary. Permanent and very congenial post. No Sunday or half-day duties. (Regret no accommodation available). Apply Shackletons, Chemists, 319 Vicarage Farm Road, Hounslow.

IPSWICH Industrial Co-operative Society, Ltd., invites applications for the position of branch manager. Flat available. No holiday or Sunday duty. State salary required, experience, age and when free, to Superintendent Chemist, Pharmacy Department, 62 Carr Street, Ipswich.

KENT. Dispenser required immediately for busy high-class pharmacy. Permanency for right person. State experience and salary required, F. G. Curtis & Son, 94 Sandgate Road, Folkestone, Kent.

LADY assistant, unqualified, for counter, display and some dispensing. No Sunday or half-day duties. Write, giving full particulars and stating salary required, to Secretary, D. L. Lewis, Ltd., 36 Haven Green, Ealing, W.5.

LADY pharmacist required as manageress of a good class West End pharmacy, mainly counter work. Congenial post. Also part time lady pharma-cist required. Please apply Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Road, London, S.W.1. Phone Victoria 2204.

LEEDS. Qualified, wanted, either sex, as cover. Pleasant locality, light duties, easy hours. No holiday duties, full half-day; elderly person not objected to. Usual details please, to 175/921, C. & D. Office.

LONDON Co-operative Chemists, Ltd., have vacancies for pharmacist branch managers in the following areas: Ealing, Ilford, Barking, Wembley and North London. New wage agreements now in operation. The positions offer scope, security of tenure and participation in the superannuation scheme. Application in first instance to Superin-tendent Chemist, 54 Maryland Street, Stratford, E.15.

MID-Sussex. Qualified manager required mid-June as locum with view to permanency and in-vestment if interested. Old established family and dispensing. Applications with full details to 174/856, C. & D. Office.

NOTTINGHAM Co-operative Chemists, Ltd., re-quire the services of a chemist-optician for an old-established business four miles from the sea. The position is permanent and pensionable; the salary offered is attractive, and excellent opportunities exist for advancement. Good living accommodation is available. Applications, stating age and experience, to be sent by May 31st, 1947, to the Managing Secre-tary, Upper Parliament Street, Nottingham, en-velopes to be endorsed "Chemist."

NORTH London, qualified, either sex wanted for modern pharmacy in nice congenial position near tube. Good supporting staff. No holiday or Sunday duties. Appointment can be immediate. Please give usual particulars. 174/867, C. & D. Office.

NOTTINGHAM. Qualified manager required for family business in good-class residential area. Good prospects to energetic man, able to build up somewhat neglected business. Living accommodation available. Permanency. Write 175/895, C. & D. Office.

PHARMACIST. Lady or gentleman. Dispensing and window dressing. Old-established business, South-east London. Good prospects and every consideration shown. Enormous scope for development. Permanent appointment. State age and commencing salary. 175/904, C. & D. Office.

PHARMACISTS wanted as branch managers for Glasgow and Ayrshire branches. Good wages and conditions. Apply in writing, giving full particulars of age, experience and when free, to The Technnical Supervisor, Scottish Co-operative Wholesale Society, Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasgow, S.W.1.

POPLAR. Manager, qualified, required for busy pharmacy in Poplar. Good salary offered to energetic man with experience. Permanency with good prospects. Write 175/896, C. & D. Office.

PORTSEA Island Co-operative Chemists, Ltd., requires qualified pharmacy branch manager. Permanency, excellent prospects, superannuation fund and T.U. conditions. Applications in writing stating age, qualifications and experience and salary required, to the Executive Officer, 110 Fratton Road, Portsmouth. Endorse envelopes "Pharmacist."

QUALIFIED manager wanted for Ealing suburban pharmacy. Moderate hours. State age, experience, salary required. BM/VIC, W.C.1.

QUALIFIED lady assistant required for high class business in a very pleasant Cheshire suburb. Application welcome from a married lady for part-time work. 172/807, C. & D. Office.

QUALIFIED required for S.W. London. Medium class family business. Unfurnished flat available. Write, fullest particulars to 172/802, C. & D. Office.

SECOND dispenser, book-keeper required. Hall certificate. Firm of doctors, Midlands. State age, experience and salary required. 171/778, C. & D. Office.

THE Royal Arsenal Co-operative Chemists, Ltd., required pharmacists for their branches in South-east and South-west London. Permanent positions with opportunity for progress. Superannuation and special bonus schemes in operation. Apply in writing stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

THE Royal Arsenal Co-operative Chemists, Ltd., require unqualified assistants. Permanent positions. Superannuation scheme in operation. Apply in writing, stating age, experience and salary required to the Staff Manager, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS invite applications from pharmacists, male or female, for managerial positions in London and throughout the South of England; also for relief duties for the holiday period with consideration for management and permanency at the end of the season. Local interviews arranged at short notice. Good salaries; excellent prospects; superanuation scheme. Apply, with full particulars, to Retail Staff Dept. (Drugs). Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED assistant required with good West End experience. Mainly for counter work and window dressing. Apply Manager, Frizell & Co., Theatrical and Foreign Chemists, Leicester Square, London, W.C.2. Phone Gerrard 2945.

VICTORIA, S.W.1. Branch manager required for mixed-class pharmacy, within 10 minutes of Victoria Station. Permanent oppointment. Good salary. Saturday half-day. Write, 175/892, C. & D. Office.

WANTED. Qualified assistant, lady of gentleman for central pharmacy. Good prospects and permanency for suitable applicant. Superannuation scheme in operation. Scale rate of wages paid. Full particulars, giving age and experience, to The Secretary, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street, Heckmondwike.

WANTED. Capable unqualified assistant. This is an excellent opportunity to gain experience. Please send all particulars, with photo and references, and salary required, Lansdale & Co., Queen Square, High Wycombe.

YOUNG lady, unqualified, for South Kensington pharmacy. Apply "S", 170/738, C. & D. Office.

YOUNG lady dispenser-receptionist wanted by firm of South London medical practitioners for duties at second surgery. Apply in first instance with particulars to 42 Streatham Hill, S.W.2.

YOUNG lady for chemist's toilet counter. South Kensington area. Apply "A", 176/925, C. & D. Office.

LOCUMS WANTED

CROYDON district. Qualified locum required from June 24 to July 15 inclusive. Hours 9 a.m. till 6 p.m. Assistant employed. 174/866, C. & D. Office.

JAMES Walker (Chemist & Optician), Ltd., require a locum, July 7 to August 16. Would suit a young pharmacist keenly interested in dispensing with view to permanency. Business situated in high class residential area. 90 Parade, Sutton Coldfield, Warwickshire.

LOCUM, North London, required at times to suit applicant's available dates between now and September. No Sunday or half day duties. Good supporting staff. Would entertain permanent engagement. Give full particulars (or 'phone Fin. 0404). 174/868, C. & D. Office.

QUALIFIED locum for period Aug. 5th to 16th, or 11th to 23rd. Fully staffed, easily run business. D. L. Lewis, Ltd., 36 Haven Green, Ealing, W.5.

QUALIFIED locum required for departmental store, June 30th to July 12th. Jarrold & Sons, Ltd., London Street, Norwich.

WHOLESALE

ACTIVE salesmen required in (1) London, North of Thames, (2) South of Thames, (3) South Wales, by London manufacturing and wholesale house. Connections with leading stores and shops preferred, but enterprising newcomer entertained. Fast-selling manufactured lines and unique coverage of other lines offered. Salary or commission with other non-competitive lines. BCM/Bonheure, W.C.1.

ASSISTANT chemist required for manufacturing laboratory, with experience of large-scale process work and ampoules preferred. Fullest details and indication of salary required, to The Managing Director, Hirst, Brooke & Hirst, Ltd., Sheepscar Works, Leeds, 7.

ASSISTANT required for routine analysis of pharmaceuticals in the analytical laboratory of C. R. Harker, Stagg & Morgan, Ltd., Emmott Street, London, E.1. Apply stating experience and wages required.

ANALYST. May & Baker, Ltd., have a vacancy for an experienced qualified analyst for non-utine work and analytical research. Progressive lary according to qualifications and experience, mmencing at not less than £400 per annum. Apply writing to:— Personnel Officer, May & Baker, td., Dagenham, Essex.

ASSISTANT wanted in well-known cosmetic research laboratory; female preferred; must have evious experience. Permanent post. Highest rerences essential. Good opportunity for right pern. Applicants must state age, experience and salary quired. 175/911, C. & D. Office.

BRITISH DRUG HOUSES LTD., has vacancies for chemists on three-shift rota work in fine emical production; salaries according to age and perience. Apply Personnel Manager, Graham reet, London, N.1.

BUYER. London manufacturing chemists invite applications for post of chemical buyer. The ties will consist of the purchasing of heavy and e chemicals from sources both at home and abroad. evious experience in a similar capacity essential. pply, stating age, qualifications and salary required, 176/926, C. & D. Office.

BUYER required by manufacturing chemists, London, marketing full range of pharmaceuti- specialities. Full particulars of experience and ary required, to 175/905, C. & D. Office.

CHEMICAL merchants, old established, East- cheap, require young clerk preferably with rking knowledge buying, selling and office routine. od prospects. Write stating age, experience, ary to Box K.B.P., 174/869, C. & D. Office.

CHEMIST. Qualified pharmaceutical chemist with good factory and laboratory experience required well known firm of manufacturing chemists in th London. Unlimited scope for the right man. ite giving full details of experience, age, salary uired, etc., to 174/876, C. & D. Office.

COPYWRITER required (male) aged 25-30. Pharmacist or chemist. Previous copywriting perience desirable but not essential provided canate has natural flair for publicity. Apply initially writing to: Personnel Officer, May & Baker, d., Dagenham, Essex.

COST clerk (female) required by old established manufacturing chemists, near Liverpool Street tion. Permanent post. Five-day week. Apply /883, C. & D. Office.

COUNTER hands required for handling solutions and reagents under laboratory conditions. /874, C. & D. Office.

DISTRIBUTING house to chemists, grocers, stores, etc., require four full-time representa- s for: (1) Lancashire and Cheshire; (2) Mid- ds; (3) Northumberland, Durham, Cumberland Westmorland; (4) Yorkshire. Only energetic n with established connections and capable of d turnover need apply. Must reside on terri- y. Car owners preferred. Salary, commission and enses. Replies in strict confidence, giving full ticulars, to 168/684, C. & D. Office.

EXPORT sales marketing. Important opening with leading makers of ethical pharmaceuticals man to develop export sales. Position will carry onsibility for all aspects of marketing in a num- of overseas territories and full scope will be n. Good salary and prospects for the right man. ly, stating qualifications, experience, age and ent salary. 171/770, C. & D. Office.

FIRST-CLASS representative, 30/40, preferably Scot, required for Scotland and Northern Ire- by manufacturers of chemists' sundries selling wholesalers only. Must have established connec- s and be capable of substantial earnings on y plus commission basis. Full details of past rience. 175/900, C. & D. Office.

FIRST-CLASS representatives required in South Wales and Yorkshire for nationally advertised, branded pharmaceutical products, distributed by London house. Salary, commission, expenses and car allowance. Applicants must have up-to-date connection with chemists, and own car. Give full particulars, in writing, to 175/890, C. & D. Office.

FIRST class representative required, male or female, on salary expenses and commission basis, for high class cosmetics and beauty preparations. Write stating experience to Box 789, c/o George Murray (Advertising), Ltd., 184 Strand, W.C.2.

HIRST, BROOKE & HIRST, LTD., require representative for South Yorkshire area. Applicants must be pharmacists with experience preferred. Apply to Managing Director, Sheepscar Works, Leeds, 7.

JUNIOR technical assistant (male) required to assist in technical intelligence service. A degree in chemistry is an essential qualification, newly qualified man suitable. The appointment holds excellent prospects and is permanent. Written applications only to: Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

KORAY, LTD., require first-class representative to call upon retail chemists in Monmouthshire, Glamorganshire, Brecknockshire, Radnorshire, Cardiganshire, Pembrokeshire, Carmarthenshire and Herefordshire. Permanent career for man of experience, knowledge and ability, on salary, commission and expenses. Apply in writing, giving full details of career to date, to 25 Hanover Square, London, W.1.

LARGE international company requires the services of a first-class representative, under 35 years of age (preferably with pharmaceutical degree). Applicants should give fullest possible details of education and past experience, to 175/914, C. & D. Office.

LONDON company requires chemist experienced in preparation of extracts from crude drugs. State age, qualification, experience. Applications strictly confidential. Box No. G.A. 221, 4/7 Salisbury Court, Fleet Street, E.C.4.

MANUFACTURERS marketing an attractive new line require agents calling on chemist with good connection, commission basis. Halls Dental Laboratory 54 Clifton Road, Kingston-on-Thames.

MANUFACTURING chemists, N.E. London district, engaged on processing and packing pharmaceuticals, require experienced chemist to manage small factory. 5-day week. Write full particulars to 175/916, C. & D. Office.

MANUFACTURING chemists in London require a pharmaceutical chemist capable of preparing medical literature, controlling sales representatives, etc. Excellent prospects to man of executive ability not over 40 years of age. 171/767, C. & D. Office.

MANUFACTURING chemists in North London require woman pharmacist as second assistant in the dispensing and light manufacturing department. Salary according to age and experience. Write Box 552, Dorland, 18 Regent Street, S.W.1.

MEDICAL representatives are required by a well known company for propaganda work in the following areas: (a) East Scotland, (b) North-eastern Counties and (c) Yorkshire. Applicants should be pharmacists but unqualified men with a good experience of pharmacy will be considered. Give details of experience, age and salary expected, in first letter to 174/885, C. & D. Office.

OLD established London firm wholesale chemists sundriesmen require representatives having live connections chemists, hairdressers, druggists, stores, Co-ops. Commission basis. Car advantage but not essential. Write stating area of representation, details, etc., James Hardcastle & Co., 20 High Holborn, W.C.1.

PARKE, Davis & Co. require a young pharmacist as an assistant in their advertisement department. Training in all forms of medical and pharmaceutical publicity will be given to suitable man. Apply by letter, giving full particulars, to Advertisement Department, 50 Beak Street, London, W.1.

PERFUME-Chemist, female, required for training to be perfumer. B.Sc. preferred. Laboratory experience esential but previous knowledge of perfume compounding unnecessary. West London district. 38½ hour week. Preferably teetotal and non-smoker. Write giving fullest particulars of previous experience, employers, education and standing, salary required. All applications will be treated in strict confidence. Write Box No. 760, c/o Pool's, Aldwych House, W.C.2.

PILL-maker required by old established firm, N.W. London, to understudy foreman, shortly retiring. Good opportunity for energetic man with ability and suitable experience. Five-day week. Apply stating age, experience and salary required. 174/884, C. & D. Office.

PROMINENT firm manufacturing and marketing wide range of pharmaceutical products, toilet preparations, etc., have a vacancy at their factory for an assistant pharmacist to supervise manufacturing. Apply giving full particulars, age, experience, indicating salary required, to 173/837, C. & D. Office.

RICHARD Hudnut, Ltd., require a first class representative for London, North of the Thames, and Home Counties. Experience in selling cosmetics and car ownership an advantage. Age not over 33. Send full particulars of experience, qualifications, age and salary required, marked "Confidential," Sales Manager, Richard Hudnut, Ltd., Power Road, London, W.4.

REPRESENTATIVE wanted, well-introduced to chemists, stores and wholesalers in North Wales, Cornwall, West Country, Derbys, Notts, Lancs, Yorks, Cheshire, Northumberland and Cumberland, to carry extra well-known lines talcum and baby powders, shampoos, insecticides, etc., on generous commission. Scientific Chemical, 2 Prebend Street, Leicester.

REPRESENTATIVE required for the following counties: Oxford, Berks, Bucks, Hants, Dorset. Permanent position, salary, commission, expenses. Must have first class connections and reside suitably. Full details stating age, experience to W. Sutton & Co., Horseshoe Lane, Enfield, Middlesex.

REPRESENTATIVE required by well established progressive firm to call on factories, councils, medical officers, etc., in West London, Berks, Bucks, Oxford, Hants and Dorset. Remuneration will be by salary, commission and expenses. Applicants, preferably car owners, under 40 years of age possessing the necessary qualifications should send full particulars of age, experience and past earnings to 174/886, C. & D. Office.

REPRESENTATIVES required for following territories: 1, Northern Ireland; 2, Wales; Herefordshire; 3, Durham, Northumberland, Cumberland and Westmorland; 4, Staffordshire, Worcestershire, Shropshire, Warwickshire. Sole agencies considered. Outstanding opportunity to men under 40, with necessary energy and enthusiasm to grow with virile company marketing the best presented range of pharmaceutical specialities. Applicants must have established connections with retail and wholesale chemists, Co-ops and stores. First class references essential. Reply stating age, experience, if car owner and method of remuneration preferred. 174/870, C. & D. Office.

REPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover need apply. Reply to Slip, 95 Victoria Street, St. Albans, Herts.

SECRETARY-Shorthand-Typist required by old established manufacturing chemists, near Liverpool Street Station. Permanent post. Five-day week. Apply 174/882, C. & D. Office.

TABLET maker required by Sharp & Dohme Ltd., Hoddesdon, Herts. Experienced in all operations including coating and familiar with high speed machines. Five-day week. Apply Production Manager.

THE British Drug Houses, Ltd., invite applications for the position of sales representatives in the Eastern counties. Applicants must have pharmaceutical qualifications. Age preferably not over 37. Letters to be addressed CMH/GG, The British Drug Houses, Ltd., Graham Street, London, N.1.

TRAVELLERS wanted in several parts of the country, with connections amongst good-class chemists, to sell advertised C.F. products as additional lines. Commission basis, exclusive territories. State area covered, frequency, and other lines carried. 175/907, C. & D. Office.

UNQUALIFIED junior assistant required by well known London manufacturing house for process work, 44-hour week and pension scheme in operation. Reply 175/899, C. & D. Office.

WALES. Representative required calling on chemists and hairdressers to carry samples of perfume compounds as a side line. Good commission. Only those with first-class connections would be considered. Apply, 175/906, C. & D. Office.

WELL introduced sales representatives required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional line on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first-letter and name present lines carried. 114/612, C. & D. Office.

WHOLESALE distributors require fully experienced travellers (preferably car owners) for various territories. Calling on first-class chemists, stores and hairdressers. Only men with sound long established connections need apply. Salary, commission and expenses. Reply fully (in confidence) as to previous experience, age, territory covered, if car owner, and when available. 167/645, C. & D. Office.

WHOLESALE seeds house wants salaried representative for South Coast area. State experience and salary required. 169/699, C. & D. Office.

2 SALES representatives required by firm of manufacturing chemists to call on retail and wholesale chemists in (1) Warwickshire, Worcestershire, Leicestershire and South Staffordshire. (2) Lincolnshire, Rutland, Derbyshire and Nottinghamshire, with range of new proprietary C.F. products. Remuneration by salary, commission and expenses. Only applicants possessing live established connections on these territories will be considered. Applications should give full details of past experience, if car owner, and approximate number of accounts. 175/910, C. & D. Office.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience to Dept. F.18, 162/462, C. & D. Office.

LANT chemists urgently required for process plant operations by large company operating in Middle East. Applicants need not be graduates should have had a chemical training up to er B.Sc. or National Certificate Standard with erience of shift work in either a gas, coke oven chemical works. Age not over 30. Salary in ling between £540 and £600 per annum plus erous allowances in local currency, with free nished bachelor accommodation, passages out l home, medical attention, also kit allowance and vident fund benefits. Apply stating age, quali- tions and experience, etc., to Dept. F.22, /461, C. & D. Office.

SITUATIONS WANTED

for 18 words or less, 1d. for every additional word

RETAIL (HOME)

DISPENSER-Secretary, lady, Hall qualification, available for residential appointment, hospital doctors preferred. Good typist and excellent re- ences. England or France. 170/745, C. & D. ice.

UNQUALIFIED, 38 years' varied experience, married, seeks position of trust, any capacity. manency, whole or part time. East Kent pre- red otherwise accommodation necessary. Offers? /878, C. & D. Office.

WOMAN M.P.S., registered pharmacist, semi- retired, aged 56, seeks part time light employ- nt. 174/879, C. & D. Office.

YOUNG South African wishes to serve his appren- ticeship with British pharmacy. Offers of cancies will be greatly appreciated by Mr. E. B. endel, Zevenaar, Avenue St. Louis, Sea Point, pe Town.

WHOLESALE

S representative with good connection chemists, stores, etc., Lancashire, Cheshire, etc., seeks ditional non-clashing lines on commission basis. ly first class proposition considered. 174/858, & D. Office.

ADVERTISER, 15 years' experience, wide know- ledge administration, stock control, package, de- lopment, desires progressive post. 174/887, C. & Office.

ADVERTISER requires appointment as represen- tative or agent for first class firm of repute. lling upon chemists and sundry trades. 173/850, & D. Office.

C.B. LAND, erstwhile London and South Coast representative of universally known firm; years' contact chemists, hairdressers (wholesale d retail); also departmental stores; offers services reputable firm desiring energetic representation. 5/913, C. & D. Office.

GENERAL or sales manager, qualified, age 49, at present earning £1,250, seeks change offering lvancement. Good references, sound judgment cked by experience, thorough knowledge modern les methods including advertising, and a record steady, persistent increase. 175/920, C. & D. ffice.

GENTLEMAN. Good knowledge of chemical trade seeks change. 16 years' experience cover- g buying and selling raw materials. Toilet pre- arations, pharmaceutical products to medical pro- ssion and public, sales, advertising, accounts, rinting, staff control, etc. Useful suppliers con- cts and existing accounts. Highest references. 5/891, C. & D. Office.

GENTLEMAN, thorough knowledge of trade, own car and connection, seeks representation for re- utable firm for South-west Wales area. 174/880, . & D. Office.

GOOD service for good firm by experienced re- presentative or medical propagandist (or com- bined), M.P.S., South, S.W.-W. England. Well known all doctors, hospitals, chemists, these districts. Accustomed pioneering. 10 guineas weekly and ex- penses, or consider selling agency on terms. 173/854, C. & D. Office.

REPRESENTATIVE, having a first class old established connection with the chemists throughout Yorkshire, will be pleased to hear from up-to-date firms requiring representation. Com- mission terms preferred. 173/852, C. & D. Office.

SALES manager, I.S.M.A., desires change, 18 years' experience in the toilet and pharmaceuti- cal trade, selection and control of sales staff, leader- ship, enthusiasm and adaptability. Highly qualified in marketing, merchandising, sales development, national advertising, flair for business organisation and hard work. Highly successful sales record, able to maintain maximum business, sales promotion, premium trading, bonus methods and mail order. 174/875, C. & D. Office.

WAREHOUSE superintendent with considerable experience of perfume compounds, essential oils, pharmaceuticals, export and home trade, seeks change through re-organisation of present firm. Ex- cellent references. 175/918, C. & D. Office.

APPOINTMENTS

CORPORATION OF WILLESDEN
APPOINTMENT OF PHARMACIST

Applications are invited for the following appointment:— Assistant Pharmacist. The salary will be in accordance with the Joint Negotiating Committee at the rate of £370 per annum, rising by four annual increments of £15 and one increment of £20 to a maximum of £450. The work will be carried out at the hospitals and health centres and previous ex- perience will be taken into consideration in de- termining the commencing salary. The appoint- ment is terminable by one month's notice on either side and is subject to the provisions of the Local Government Act 1937, to the regulations governing officers of the Council, and to a satisfactory medical examination. Off duty is granted one Saturday morning in every three. The candidates appointed will work under the direction of the Chief pharmacist. Forms of application may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned marked "Pharmacist" not later than 28th May, 1947.

R. S. FORSTER,
Acting Town Clerk.

Town Hall,
Dyne Road,
Kilburn, N.W.6.

CONNAUGHT HOSPITAL, E.17

ASSISTANT DISPENSER required. Appoint- ment vacant early July. Experience in civilian or Service Hospitals essential. Male or female. If holding Hall Certificate salary will be £270 p.a. Applications, stating age and experience, qualifications and names of two referees, should be sent to the undersigned. R. Halton Harrison, General Secretary.

HILL-END HOSPITAL,
ST. ALBANS

Required immediately, assistant Pharmacists or dispensing assistants. Salary for Pharmacists £370 to £450 per annum and for assistants in dispensing £270 to £350 per annum, inclusive of cost-of-living bonus. Apply, stating age, qualifications and particulars of experience to Medical Director.

EAST HAM MEMORIAL HOSPITAL,
SHREWSBURY ROAD, E.7

ASSISTANT, Hall certificate, urgently required for two weeks commencing 2nd June. Apply, as soon as possible, to the Secretary, Superintendent.

KING'S COLLEGE HOSPITAL
DENMARK HILL, S.E.5

ASSISTANT PHARMACIST required. Salary in accordance with the J.N.C. revised scale. Federated superannuation scheme in force. Also required LOCUM TENENS ASSISTANT PHARMACIST for 14 weeks from June 23, 1947. Salary 8 guineas per week.—Applications, with details of experience, should be sent to The Pharmacist at the above address.

KENT COUNTY COUNCIL
ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Pharmacy, County Hall, Maidstone.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) (Male) Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk to the County Council.

County Hall,
Maidstone.
10th April, 1947.

LONDON COUNTY COUNCIL

ASSISTANT DISPENSER (unregistered) (whole time) (man or woman) required at mental hospitals in the Greater London area. Remuneration £5 15s. 6d. a week, plus cost-of-living addition (at present 30s. a week, men; 25/8 per week, women). Hours 39 a week. Married women eligible. Apply to Executive Officer (B), Mental Health Services, County Hall, Westminster Bridge, S.E.1. (1624.)

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at St. Lawrence's Hospital, Caterham, Surrey. Candidates must be registered Pharmacists. Salary five shillings an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall Westminster Bridge Road, S.E.1. (1450.)

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at Epsom County Hospital, Dorking Road, Epsom. Commencing salary on grade £370 x £15–£430 x £20–£450 p.a. inclusive. Applications in writing stating age, qualifications and experience with a copy of not more than three testimonials should be sent to the Medical Superintendent of the Hospital.

THE ROYAL TECHNICAL COLLEGE, GLASGOW
DEPARTMENT OF PHARMACY

Applications invited for Lecturer in Pharmacy. Salary scale £450—£15—£700. Applicants should have degree in Pharmacy, and a qualification in Chemistry or Bio-Chemistry is desirable. Form of application and further particulars obtainable from Secretary.

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at Tooting Bec Hospital, Tooting Bec Road, S.W.17. Candidates must be Registered Pharmacists. Salary five shillings an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1449.)

NOTTINGHAMSHIRE COUNTY COUNCIL
PUBLIC ASSISTANCE COMMITTEE
ASSISTANT PHARMACIST

Applications are invited from Registered Pharmacists for appointment as Assistant Pharmacist at a salary in accordance with the scale of £370 to £450 per annum as recommended by the Joint Negotiating Committee (Hospital Staffs).

The duties will be chiefly at the Basford County Emergency Hospital, 121 Highbury Road, Nottingham, and the person appointed will be required to live in or near to the City.

The appointment is on the permanent staff and will be subject to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating age, experience and qualifications, with copies of recent testimonials, to be sent to me at once.

K. TWEEDALE MEABY.
Clerk of the County Council.

Shire Hall,
Nottingham.
May, 1947.

ROMFORD JOINT HOSPITAL BOARD
RUSH GREEN EMERGENCY HOSPITAL, ROMFORD
APPOINTMENT OF PHARMACIST

Applications are invited for the post of whole-time Pharmacist, male or female, at the above Hospital. Salary at the rate of £420 per annum, rising by 5 annual increments of £15 to a maximum of £495 per annum. In the case of women applicants resident accommodation, for which a charge will be made, can be provided.

The appointment is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating name, age, nationality, qualifications and experience, together with copies of two testimonials to be sent to the Clerk of the Board, Rush Green Hospital, Romford.

ERNEST E. TAYLOR,
Clerk of the Board.

Clerk's Office,
Rush Green Hospital,
ROMFORD, Essex.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word

ACTIVE agent seeking additional line offers services to manufacturers of high grade chemists' sundries, advertised toilets or packed goods. Sound connections with chemists in seven South-west Counties. 174/862, C. & D. Office.

AGENTS required by manufacturers of animal medicines, insecticides, vermicides, etc., calling upon chemists and chain stores in (1) Cheshire, Shropshire, Herefordshire and Worcestershire, (2) Scotland. Must possess own car. Commission and part expenses basis. Replies in confidence, stating age, territory covered and other agencies carried, to 174/859, C. & D. Office.

RENCH factory for perfume sprays, powder Puffs, desires appoint well-introduced English ents. Apply, giving full particulars, 175/902, & D. Office.

TALIAN import agent presently in London, valuable connections Italian market, seeks agen- s following articles: Oils, fats, wax, paraffin, ms, resins, solvents, diluting substances, plastic aterial, colours, various chemical products. mbrosini, Courtfield Hotel, Ealing Common, Lon- n, W.5.

ANUFACTURER shortly placing entirely new range of Foot Comfort Pads on the market istinctly different from any existing products) will pleased to negotiate with distributing agents with w to exclusive agency. Enquiries to 175/908, & D. Office.

LD established firm of chemical merchants with ample capital and connections throughout itish Commonwealth seeks exclusive agencies both distribution in U.K. and export overseas. Ex- llent opportunity for new producers limited to anufacturing side rapidly to develop sales here d abroad. 174/860, C. & D. Office.

LD established wholesale chemists sundriesmen with over 1,000 live accounts, now expanding ganisation to cover whole Great Britain, are open carry additional quick selling goods. Would anufacturers, etc., please write 174/877, C. & D. fice, for appointment.

BUSINESS OPPORTUNITIES

/6 for 36 words or less, 3d. for every additional word

ONTACT with independent cosmetic chemist with laboratory facilities required or with chemi- l laboratory for development of cosmetical novel- s. Very good remuneration. Advert'ser is not in ade. Reply in confidence, Box A.C.19480, Samson ark's, 57/61 Mortimer Street, W.1.

J. & J. JENKINS & Associates, Ltd., can now offer further capacity for making and/or filling d finishing liquid preparations and creams. 78 llo Bridge Road, London, W.3. Acorn 4386.

ATION-WIDE sales organisation with remark- able record of successful merchandising is open consider one or two lines. Only branded lines ering possibilities of big permanent business are interest. Box S.551, c/o Erwoods, Ltd., 211 ccadilly, London, W.1.

ANUFACTURERS have surplus capacity for liquid and powder filling. Plant situated in ome Counties. Bottles of certain sizes and other cking materials can also be supplied in quant ties. nly long runs of interest. Apply Sells, Ltd., Box o. 745, Brettenham House, Lancaster Place, Lon- on, W.C.2.

ACKING facilities available. Tablets, liquids, powders. Regular weekly deliveries can be ven. Inquiries invited. 173/827, C. & D. Office.

ACKAGING work. Well-known food manufac- turers will have dry filling and packaging capa- ty free shortly, wide experience also of tablet and psule packing, wish to contact manufacturers of harmaceutical products in London or Home Coun- es requiring additional packaging facilities. Com- unicate 175/909, C. & D. Office to discuss possibil- es.

OILETRY, perfumery specialities. (Limited Company closed down past six years) now re- pening in ideal country house near Bournemouth. aluable registered trade mark specialities. Plant, ocks, quota Sole proprietor desires meet ener- etic co-director works chemist with export experi- nce. Moderate investment, fully secured, or would malgamate. Write 174/881, C. & D. Office.

WANTED to contact consultant chemists special- ising in manufacture of block rouge. 176/924, . & D. Office.

TONIC wine. Advertiser can influence supplies of Empire wine and is willing to invest capital in established tonic wine business desirous of expand- ing. Would consider starting a new business with somebody who has a first class knowledge of the trade and who is preferably, but not essentially, willing to put up some capital. Write full details in confidence to Box B.658, Erwoods, Ltd., 211 Piccadilly, London, W.1.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

CHEMISTS' business or drug store required. Good living accommodation, preferably with garage (or room for), Harrogate or coastal area preferred but not essential. Would consider freehold purchase. Post Office or other attached business not objected to. 174/863, C. & D. Office.

FINANCIAL HOLDING COMPANY seeks to purchase outright, or acquire the controlling interest in an established pharmaceutical business, marketing one or more nationally advertised lines, and making substantial profits. The purchase of a business dealing in toilet articles and cosmetics would also be considered. Existing management could be retained on a long term contract if considered desirable. Write in strict confidence to 166/598, C. & D. Office.

THE directors of a small private company wish to purchase the business of a small firm marketing one or more proprietary lines, distribution existing already in Lancashire and Yorkshire preferable. 174/857, C. & D. Office.

WANTED to purchase, chemists' business shop with living accommodation attached, small country or seaside town or suburb South of England or Gloucestershire or easy reach thereof. Must be modern premises. State price, full particulars with photo if possible. 173/853, C. & D. Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less 2d. for every additional word

HERBALIST and Hygienic rubber stores, Main street position. No opposition. Opportunity to add chemists and photography. Rent only £100 a year exclusive. Shop, kitchen, study, sitting-room, bathroom, 4 bedrooms, brickbuilt warehouse at rear, side entrance. Electric and gas. Phone, etc. 21 years' lease. Good trade, guaranteed more than a living. Price for goodwill, fixtures, fittings, stock cases, everything, and long lease, vacant possession when required, £2,500 or near offer. No triflers need apply. Stamped addressed envelope for reply, 171/772, C. & D. Office.

GENERAL sundries wholesale business for sale. Turnover last year £8,500 approximately. Net profit £1,200. Total purchase price about £1,000 all at. Vendor going abroad. 173/849, C. & D. Office.

OLD established pharmacy for sale, situated in thickly populated Tyneside area. Well equipped shop. Price £1,500 plus stock at valuation (approximately £600). 174/861, C. & D. Office.

WHOLESALE chemist sundriesman company for sale as going concern. Established 20 years. Excellent profit record and quotas. Offices 700 feet, £150 p.a. Central London. Two late model cars. Managing Director going abroad. Goodwill, £7,500. Other assets at valuation. 175/922, C. & D. Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word

BICHROMATE, pot. or sod. urgently required State price and quantity. (1-cwt. minimum). George Rice, Ltd., Hudson Bay Works, Warton Road, Stratford, E.15. Telephone Maryland 1222.

BOTTLES wanted. 26-oz. cordial or wine type, and ½ and 1-oz. essence bottles. Please quote for small or large quantities, to A. E. Bevan, Ltd., 20A Hall Street, Southport, Lancs.

BRONCHIAL and catarrh pastilles, also sugar base tablets to advertiser's own formulas. Mainly required for export. Will contract for 30-40 tons or less per annum. First class products from established house only considered. Cash in advance. 174/871, C. & D. Office.

EDIBLE sheet and powdered gelatin required in large quantities. 147/851, C. & D. Office.

GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/296, C. & D. Office.

PHENACETIN, white oil, and stearic acid urgently wanted. 175/901, C. & D. Office.

SACCHARIN Tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

SODA ash required in large quantities. Offers to Gleam Commodities (St. Annes), Ltd., St. Annes-on-Sea.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

SUPPLIES or sodium carbonate required. Large or small. Please write 175/915, C. & D. Office.

WANTED. Machine for sifting and blending dry powders; Gardner's make preferred; full particulars to 171/769, C. & D. Office.

WANTED. 8 oz. bottles, medicals. Up to 1,000 gross in large or small deliveries. 173/826, C. & D. Office.

WE wish offers direct from factories for bisulphate of potassium, sodium sulphate, caustic potassium, lactic acid, tannic acid (light colour), and all other kinds of chemicals for glass fabrication, preparation of wool, dyeing textiles and leather, and tanning. Pérez e Hijo, Soriano 1328, Montevideo, Uruguay.

26-OZ. and 13-oz. wine or champagne bottles required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

APPROX. 300 gallons liquid soap concentrate packed in original kegs. Offers to G. Thornton, 13 Warren Park Avenue, Lisburn, N. Ireland. Sample supplied on request.

COMPLETE stock and mahogany fixtures, show cases, etc., of chemist's shop, approx. £450. Apply E. Wall, Drug Store, 14 Clifton Street, Stourbridge, Worcs. 'Phone Stourbridge 57445.

FOR SALE. 800 lbs. Thymol Throat Tablets. Very sweet, 7 grain. One lot only. 175/903, C. & D. Office.

FOR sale. 50 gross 1 oz. cork mouth vials (clear glass) and 50 gross 1½ oz. cork mouth vials (clear glass). Immediate delivery. Grattan's Pharmaceutical Products, Lurgan, N. Ireland.

ONE 6 ft. long x 6 ft. 8 in. high x 2 ft. deep polished oak, chemists' dispensing showcase. £35, ex works, new. W. Tate & Sons, Ltd., Shopfitters, Ladbroke Road, Redhill, Surrey. Tel. Redhill 3666.

SURPLUS bottles for sale. ½ oz., 1 oz., 2 oz. an 4 oz. screw neck, with caps, also 2 oz. amber co mouth. Offers to Rapidol, Ltd., 27 Dover Stree London, W.1.

TABLET machines, single punch, three batteri of three machines, as new, will produce table up to ¾ in. diam. Space required. No reasonab offer refused. Inspection any day except Saturda Call or write Three Crowns Tablet Co., 21/ Derringham Street, Hull.

TECHNICAL oil (grade 30). Three 45-gall drums available at 11s. 6d. per gallon. Carria paid. Drums returnable. Cash with order. 173/85 C. & D. Office.

UCAL. 20 ordinary £5 shares to be sold. Offe to C. G. Walker, 90 Parade, Sutton Coldfield

TRADE MARKS

THE Trade Mark Streph (No. 602,099) registere in respect of pharmaceutical, veterinary an sanitary substances; infants' and invalids' food material for bandaging; plasters; disinfectants; an preparations for killing weeds and destroying ve min, and the Trade Mark Suleo (No. 610,165) r gistered in respect of pharmaceutical preparatio and substances for human use and veterinary us and insecticides, were both assigned on the 20t March, 1947, by Jeyes Laboratories, Ltd., of Rich mond Street, Plaistow, London, to Jeyes Sanitar Compounds Co., Ltd., of the same address, withou the goodwill of the business in which they were the in use.

TO owners of trade marks. Manufacturin chemists are interested to purchase trade mark which are registered but are not being used. Pleas send names of marks and other details to 171/76 C. & D. Office.

SALE BY AUCTION

VACANT POSSESSION

FREEHOLD FACTORY OR WAREHOUSE
situated at
18 VICTORIA PARK SQUARE,
BETHNAL GREEN, E.2,

opposite Central London Tube Station, within 10 minutes of City and West End, comprising a substantially constructed, north lighted, single storey Brick Building having a
FLOOR SPACE OF 5,500 SQUARE FEET.
To be offered for Sale by Auction (unless previously Sold) at The London Auction Mart, 155 Queen Victoria Street, E.C.4, on 3rd day of JUNE 1947.

Solicitors: Messrs. Barchelor Foord & Co., 48 Cannon Street, E.C.4.

Auctioneers: Messrs.
HENRY BUTCHER & CO.,
73 Chancery Lane, W.C.2.
Tel. HOL. 8411.

PREMISES WANTED

COMPANY manufacturing pharmaceutical products requires larger premises for expansion to meet steadily increasing demand, would consider merger with or without purchase of similar business. Substantial profits earned for many years. Capital available for development of suitable concern. Reply Box ⊙/6047, A.K. Advg., 212A Shaftesbury Avenue, W.C.2.

Printed by THE HAYCOCK PRESS, LTD., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, MORGAN BROTHERS (PUBLISHERS), LIMITED, at 28 Essex Street, Strand, London, W.C.2. (85/31

THE
CHEMIST AND DRUGGIST
ESTABLISHED 1859
or RETAILER—WHOLESALER—MANUFACTURER
Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries
Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.
VOL. CXLVII MAY 24, 1947 NO. 3509

Salesmanship for Exporters

A CANADIAN contemporary published in Britain, "Canada's Weekly," took British exporters to task in its April 25 issue for a number of alleged shortcomings. Since any criticisms may lead to constructive action they are worth examining. When, in addition, they are put forward on grounds that "Britain's recovery to health is essential to Canada's continued prosperity" they deserve to be considered in an equally friendly spirit. Briefly summarised, the points made, with our own comments, are as follows:—

1. *That exporters, at present able to sell without the need for advertising, are neglecting to secure publicity that will be essential as a seller's market turns gradually into a buyer's market.*

We are fully alive to the advantages of advertising. How could we be otherwise as publishers of a trade weekly? But it cannot be overlooked that space bookings in American and Canadian papers would involve expenditure of the very "hard" currencies which it is one aim of the export drive to conserve and if possible accumulate. The possibilities of broadcast publicity from Britain, which can be paid for in sterling, may be worth exploring, if the British Broadcasting Corporation could be persuaded to adopt in its overseas programmes a policy directly contrary to its policy in home broadcasting. For the rest, the answer seems to lie in such media as the *C. & D.* Export Review, which certainly provides no evidence at present that manufacturers are reluctant to advertise; the publisher's problem is to find enough paper to meet the demands of advertisers.

2. *That they have made no allowance for duplication of orders by overseas buyers ("If a buyer places orders for 100 cycles with ten sellers, his requirements are still 100 cycles, not 1,000").*

What the British manufacturer can do about orders duplicated with other firms is not clear. Even if he knew that an order he had received had also been placed with a competitor, he could hardly fail to act on the assumption that his own prompt attention to it would give him a competitive advantage. Some help might perhaps be organised by trade associations in collecting information on which the true extent of overseas demand could be accurately assessed. Already, we must suppose, British official trade representatives abroad are endeavouring to secure just such information. On the long view, however, hope must lie in the knowledge that, assuming a successfully applied policy of working towards higher living standards in backward countries, world demand is not within sight of being saturated.

3. *That quality, in some instances higher (e.g. in length of life) than the buyer demands, is in other fields so poor as to bring discredit on the label "Made in Britain."*

Some too good, and some too poor? And nothing between? It seems unlikely. There really is no way, so far as we are aware, of keeping poor-quality goods off the market, even in Canada, except buyers' refusal to have anything to do with them. We deplore that the words "Made in Britain" should become associated in any buyer's mind with inferior goods and hope that the makers of first-quality merchandise will keep overseas markets sufficiently well supplied to prove that the words do usually indicate products worth buying.

4. *That design is in the British style, rather than in the styles of the overseas destination of the article exported.*

Here we must join issue with the critics. It was by concentrating on their own national characteristics or natural advantages that American automobiles, or Canadian breakfast foods, or French perfumes built up their overseas reputations.

By the same token, concentration on the best Britain can produce seems to us the only policy to pursue. An Englishman can hardly hope to be so good a Canadian as the man who is Canada-born, yet he may hope to demonstrate that there are merits in an English product, if in fact there are.

5. *That the packaging of British goods, whatever their quality, is inferior to that of the American and Canadian merchandise with which they are competing.*

On the subject of labelling and packaging we admit that there is much room for improvement. When paper is in short supply, that is the time when the greatest thought should be given to its use. A label may, indeed, often be made better by being made smaller, as has been proved in the skilful presentation of many French and American manufactured goods.

6. *Prices are too high.*

Ultimately, the only way to produce at a competitive price is by producing for home and export demands simultaneously, a development much to be desired but not possible in Britain at present. But is the fault always with the British manufacturer? A correspondent to "The Times" recently drew attention to an article of furniture which was being exported at £120 but whose selling price in the United States was £390. Under such conditions, British exports can never reach the levels which our Canadian friends admit are essential for Britain's survival.

7. *Not enough visits are paid by British manufacturers to the territories in which they are endeavouring to sell their wares.*

We certainly echo the hope that British exporters will make more frequent visits abroad, although we are well aware of the reason they do not. Inadequate resources in manpower compel them to concentrate on manufacturing and production problems. Time taken to get away from the trees and take a look at the wood as a whole may, however, be at the present juncture a most profitable procedure, and we hope British exporters will not only try to fit in more overseas calls but also searchingly examine the many other criticisms put forward in such a constructive and friendly spirit by our well-wisher in the oldest Dominion of the British Commonwealth.

A Distinguished Scientist Passes

In the number of pioneer workers it has contributed to the world of science Britain's record is outstanding, and among them no name has been held in higher esteem in recent times, perhaps, than that of Sir Frederick Gowland Hopkins, F.R.S., whose death at the age of eighty-five is announced with profound regret on p. 585. The early experiments of Sir Frederick in nutrition are regarded as classics. They had extended over several years when he published, in 1912, the now famous paper which proved the existence of the "accessory food factors" afterwards called "vitamines" (the word was coined by another worker, Funk), finally converted to "vitamins." Hopkins' experiments demonstrated that, fed upon a diet of perfectly pure caseinogen, starch, cane sugar, lard and inorganic salts, rats declined in health and finally died, but that a very small allowance of milk sufficed to induce normal growth. Discussing his results, he remarked, "It is possible that what is absent from artificial diets and supplied by such addenda as milk and tissue extracts is of the nature of an organic complex (or of complexes) which the animal body cannot synthesise. But the amount which seems sufficient to secure growth is so small that a catalytic or stimulative function seems more likely. . . . If the attachment of such indispensable functions of specific accessory constituents of diets is foreign to modern views upon nutrition, so also is the experimental fact that young animals fail to grow when they are absorbing daily a sufficiency of formulative material and energy for the purpose of growth." Even earlier, in 1906, he had written, "No animal can live upon a mixture of pure protein, fat and carbohydrate, and even when the necessary inorganic material is carefully supplied the animal still cannot flourish. . . . It is certain that there are many minor factors in all diets of which the body takes account."

From these early and acute observations the present accumulation of knowledge of accessory food factors has developed and it is no exaggeration to say that the status of the scientist who made the fundamental discovery has not diminished but increased in proportion. At his death Sir Frederick

d, of course, reached an age at which his ect contributions to science were at an d. His memory will continue to be noured wherever research is carried out.

Commonwealth Scientific Office

e appointment of a new officer to the tish Commonwealth Scientific Office, ashington, D.C., U.S.A. (see p. 587), ngs to light again a scientific organisa-n, which had such an excellent record achievement during the recent war (when was born), that a decision was made to ntinue it during peace-time. The func-n of the Office is, broadly, to help collect ormation on American research and ultaneously to disseminate in the United ates information on researches in the itish Commonwealth. In war-time, when ch research was secret, the Office was a tual "Clapham Junction" in inter-anging Allied scientific development. portant sections of information were ndled during that time including pro-ess in new insecticides. At present, nctions of the office include assisting icial Commonwealth research workers iting America, maintaining personal con-t with U.S. research institutions; report-g on changes in U.S. scientific policy; d—particularly important in view of pre-nt shortages—facilitating the supply of oks, apparatus and other materials to re-rch workers in the home counties.

The Office, now under the control of the epartment of Scientific and Industrial Re-rch, consists of a number of scientific nissions" from Commonwealth countries, ch responsible to its own government but housed under one roof. There is a staff eight scientists and a director, the special-s being appointed for periods of six onths to two years. No reciprocal Ameri-l organisation exists in Britain.

est African Oilseeds Production

e report of a Mission appointed to in-ire into the production and transport of getable oils and oilseeds produced in the est African Colonies was published re-ntly (Colonial No. 211, H.M. Stationery fice, price 1s. 3d.). The Mission was pointed in August 1946 by the then cretary of State for the Colonies, Mr. G. H. Hall (now Lord Hall), and travelled extensively in Nigeria, the Gold Coast, Sierra Leone and Gambia. An introduction to the report states that the problems affecting the production and export of oilseeds in West Africa are threefold: Agricultural, economic and transport. Questions of land utilisation and rural economy are discussed, with real understanding of the difficulties of the primitive peasants who farm these territories, and an awareness of the increasing danger of loss of fertility in many areas from soil erosion. Members of the Mission were in agreement on all main issues, and made recommendations for the improvements in the methods of cultivation and harvesting of groundnuts, sesame and the kernel-producing palm.

In Gambia, vast tracts of land, eminently suitable for groundnuts, have not hitherto been developed, and it is suggested that the British Government should give "very favourable consideration" to a proposal by the Gambia Government for large-scale mechanised production in those areas. Shortage of kernel-cracking machines has retarded the output of palm oil in Nigeria, and it is recommended that, until machines of new design can be obtained, an increased number of an existing type of machine should be utilised. Nigeria exported 110,000 tons of palm oil in the 1945-46 season; employing more machines, an extra 77,000 tons could have been exported.

PHARMACEUTICAL COUNCIL ELECTION RESULTS

The result of the election for seven seats on the Council of the Pharmaceutical Society of Great Britain was as follows:—

Brocklehurst, Eric Arthur ...	5294
Melhuish, Andrew Ralph	4405
Heseltine, Thomas	4199
Wells, Frederick George	3928
Mawer, George Robert Knox ...	3678
Steinman, Harry	3624
Burr, Mary Agnes	3315

The above were declared elected.

Parry, Lewis Moreton	3205
Murray, Ranald MacDonald ...	3000
Grainger, Herbert Fearle	2793
Ross-Mansell, John	2565
Wallis, Thomas George Fernley	2521
Hudson, Donald William	2282
Goode, Reginald	2115

A REJOINDER FROM THE P.A.G.B.

THE following is a summary of a statement issued by the Proprietary Association of Great Britain: The "conclusions" reached by the officials of the Pharmaceutical Society responsible for the preparation of the report submitted to the Minister of Health show a complete, almost studied, disregard of the progress achieved, not only by legislative measures, but to an even greater extent by the action of trade associations and organisations representing the Press and other advertising media. The contents of the report that has been submitted to the Minister are not known, but the Society is understood to have indicated that it is not proposing to publish the report, because it may contain actionable matter.

Facts Disregarded

The suggestion that the position today is "little less objectionable" than that of over thirty years ago is in disregard of the facts and contrary to speeches made from time to time by Mr. Hugh N. Linstead (secretary of the Society), who has repeatedly referred to the good work carried out by the Proprietary Association of Great Britain. Further, on two occasions during the past eleven years the Proprietary Association of Great Britain, in collaboration with the Pharmaceutical Society and other bodies (including the Press), has assisted in promoting legislative measures (for example, the Medical and Surgical Appliances Bill, 1936, and the Pharmacy and Medicines Act, 1941). Is it not reasonable, in such circumstances, to suggest that the Society should have sought to support reforms instead of issuing so reckless a statement? In the first instance, there is no equivocation in the statement that "proprietary medicines are advertised in terms of grossest exaggeration. . . ." Could any statement be more untrue? Would the Society level this criticism against the large number of proprietary medicines prepared and marketed by its own members—for by this statement, the whole trade is accused?

Surely the Society does not seriously suggest that modern education is so backward that a person of average intelligence may not be trusted to take medicines he finds helpful to correct some slight derangement of the body's function, or that the average man or woman is unable to discern when it is necessary for him to take his complaint to the doctor for advice (Nos. 2 and 3).

With regard to conclusion No. 4, the Proprietary Association, in its Code, which is supported by the codes of the Newspaper Proprietors' Association and the Newspaper Society, states:—

> "No advertisement shall contain any matter which, in its reasonable construction, can be calculated to create fear or apprehension on the part of the reader that he or she is suffering or may, without treatment, suffer from any serious ailment."

The Association would be interested to see examples of advertisements issued by its members against which this criticism could be levelled.

No member of the Proprietary Association would be permitted to use a "testimonial" if such contained any statement or claim which would be contrary to the basic principles of its Code. (No. 5.) Since the 1941 Act states in precise language the manner in which the declaration of formulas shall be made, it is difficult to see how the requirement can be circumvented. In any event, it is the statutory duty of the Society to take legal action in such cases. (No. 12.) To anyone who has knowledge of the facts, the allegation that the advertising of proprietary medicines "derogates from the principles of the freedom of the Press" is ludicrous.

Full proof of the continued progress that has been made can be gained by comparison of current advertising with what was appearing only a few years ago. One aspect of the attack (for such it may be termed) on the trade and advertising interests concerned, which appears to have been overlooked by the Pharmaceutical Society, is that the Society's members are responsible for the sale of the vast majority of advertised proprietary medicines. When the Society uses terms such as "misrepresentation," "grossest exaggeration" and "fraud," they must remember that they are by implication attacking their own members, who invariably display proprietary medicines on their counters and otherwise support their sales.

The Proprietary Association of Great Britain has consistently worked to achieve co-operation with all representative bodies, and regrets that the Society has elected to issue its own manifesto without any consultation with the Press or the Proprietary Association. Had this been done, it is safe to assume that the result would have been more realistic, and would have been devoid of those inexplicable extravagances which are the outstanding feature of the Pharmaceutical Society's report.

CHEMISTS FEDERATION

A MEETING of the Chemists Federation Council was held on May 8, Mr. W. T. Tristram (president) in the chair. Meetings of the C.F. Standards and Propaganda Committees had been held on the previous day. A report of the meeting of the C.F. Standards Committee was received and its recommendations approved and adopted. Seven applications for manufacturer membership were deferred for further consideration; applications from the following were accepted:— Buchanan Laboratories, 2B Portman Mansions, London, W.1 (Plastibel medicated plaster); Curacho Co., 10 Dingwall Road, East Croydon, Surrey (Curacho embrocation); Franklin Laboratories, Ltd., Abingdon, Berks (Franklin's indigestion mixture and Vue eye lotion); Nestle's Milk Products, Ltd., Eastcheap, London, E.C.3 (Nestrovite tablets and Nestrovite emulsion previously distributed by Roche Products, Ltd.).

Reports Adopted

A report of the meeting of the C.F. Propaganda Committee was adopted. Details of a special appeal to all members of the Federation to support a C.F. publicity and propaganda fund were received and approved. A report of a subcommittee appointed by the Council to review existing arrangements for wholesale distribution of C.F. products and the conditions upon which applications from wholesalers should in future be considered, was received and adopted. Seven applications for wholesaler membership were considered; three were not accepted, three were deferred for further information to be obtained, and the following applicant was approved:—Derwent Pharmaceuticals, Ltd., 41 Siddals Road, Derby.

FILM PREMIERE

PHARMACY and its manufacturing side were worthily put on the screen in London on May 14 at a Press *première* of "Take Thou — The Story of Pharmaceutical Manufacture," a documentary sponsored by Evans Medical Supplies, Ltd. The film traced the emergence of pharmacists as a class, the gradual change from small-scale to manufacturing-scale preparation of a large number of galenicals and medicaments, and the further changes due to the parallel developments of organic chemistry and chemotherapy. No attempt was made to glamourise the subject, and the result was a sincere presentation of many excellent "shots" of work at the shop counter, in the Evans laboratories, factories, warehouses and dispatch departments, adding up to an impression of steady progress by the company to become one of the leading British pharmaceutical houses. Designed for showing principally before audiences of overseas pharmacists, the film is also available to branches and associations in this country on application to the publicity department of the company. Details for bookers are: Length, 2,388 ft.; running time, 25 min.; on 16-mm. and 35-mm. sound. Already a copy has been sent by air to Australia to be projected at the Australian Pharmaceutical Conference, and the manufacturers hope the film will help to overcome in many territories the difficulties of securing effective publicity in the face of the current paper shortage. At the *première* an introductory speech was made by the chairman of the company (Mr. Ian Fergusson). Mr. Talbot Davenport (another director) was present, and in the audience, in addition to representatives of the pharmaceutical, lay and "beauty" Press, were members of trade and professional pharmaceutical organisations, of medical departments of the Services, and veterinarians.

BOOK REVIEW

The Art of Soap Making.—Alexander Watt. $7\frac{1}{4}$ x $4\frac{3}{4}$ in. pp. 310. Technical Press, Ltd., Piccancot, Gloucester Road, Kingston, Surrey, 10s. 6d. The period of this book, of which the present impression is the thirteenth, is perhaps best indicated in the following extract taken from the introduction:—

> "At the present day in most of the larger soapworks the teachings of science are not only recognised but an experienced chemist is engaged . . . In some instances the sons of members of the firm have been properly instructed in chemical knowledge, and to them are entrusted the scientific details of this strictly chemical art."

The late author's explanation of the theory of soap making mentions the "remarkable change" which results from the "perfect union" of fatty matters with an alkali, while a chapter on analysis gives directions in grains and fluid ounces. The chapters on the manufacture of "Toilet and Fancy Soaps," "Soft Toilet Soaps" and "Medicated Soap" are likely to be of greatest interest to the pharmacist. They contain details of small-scale processes and formulas for soaps which can probably be adapted to the type of product in demand today.

PHARMACEUTICAL SOCIETY OF IRELAND

THE May meeting of the Council of the Pharmaceutical Society of Ireland was held in Dublin on May 13, Mr. J. K. Whelehan (president) in the chair. Also present were Messrs. P. A. Brady, J. Gleeson, G. C. O'Neill, H. P. Corrigan, T. B. O'Sullivan, P. Fullam, R. Daly, J. D. Blair, P. F. McGrath, T. C. Scott, F. X. Meagher, N. A. P. McKane, C. J. Cremen, M. Costello, P. Brooke Kelly, J. A. O'Rourke, J. P. Kissane, M. Power, F. Loughman, T.D., and P. C. Cahill.

A letter from Mr. J. Gaynor (law adviser) reported that the Probation Act had been applied, on payment of costs, in the prosecution by the Society of a licentiate for not having a qualified person in charge of his pharmacy.

A letter was read from the Department of Justice approving the appointment of Mr. B. P. Hickey as examiner to the Assistants' examination.

The Minister of Justice wrote approving a change in the examination regulations made at the April meeting of the Council (see *C. & D.*, April 19, p. 441). The amended regulation empowers the board of examiners, acting jointly, to refer for re-examination in one subject only (a) any candidate who passes in pharmacy but fails in one subsection only of either chemistry or botany and materia medica, if his general information and intelligence appear to justify it; or (b) any candidate who receives not less than two-thirds of the total attainable marks for the whole examination, who passes in chemistry and in botany and materia medica, but who fails in one subdivision of pharmacy.

Restorations to Register

Two applications for restoration to the register of pharmaceutical chemists were granted. The reports of the House, Law, Schools, Certificates and Declarations Committees were submitted and approved.

The examiners reported that, of forty-four candidates who had presented themselves for the Licence examination, nineteen had passed, and one had been referred in pharmacy under the new regulation. Of the forty-seven candidates who had presented themselves for the Assistants' examination, twenty-five had passed. One candidate who had entered for the Registered Druggist examination had been unsuccessful.

MR. J. J. KERR (registrar) reported on the deaths of Messrs. C. E. Digges, L.P.S.I., S. E. Acheson, R.D., and J. F. Grimes, R.D.

Mr. J. K. Carvill, M.P.S.I., was elected examiner in pharmacy to the Licence examination for the year ending November 1, 1948, and Mr. A. F. Collins, M.P.S.I., B.Sc., examiner in botany and materia medica to the Licence examination for the year ending August 1, 1948.

The following changes of address were notified: Mr. A. E. Digan, M.P.S.I., to 11 Howth Road, Sutton, co. Dublin; Mr. M. Fortune, M.P.S.I., to 82 North Main Street, Wexford; Mr. F. C. Hamilton, M.P.S.I., to The Little House, Frambury Lane, Newport, Essex; Mr. M. D. Walsh, M.P.S.I., to 67 Phibsboro' Road, Dublin, and Mr. T. R. Lester, L.P.S.I., to 106 Patrick Street, Cork.

Appointment of Registrar

The Council considered applications from fifteen men applicants and one woman for the post of registrar to the Society. MR. MCKANE pointed out that the personality as well as the academic qualifications of the candidates must be considered. THE PRESIDENT thought a special subcommittee should be appointed to interview the candidates, determine their respective qualifications, and report back to the Council. MR. MCKANE agreed. On the motion of THE PRESIDENT, seconded by MR. BRADY (vice-president), it was unanimously agreed that the following selection committee should be appointed to interview candidates and make the necessary recommendation to the Council: The honorary officers of the Society with Messrs. M. Costello, T. C. Scott, C. J. Cremen, P. C. Cahill, F. X. Meagher, and F. Loughman, T.D.

MR. MEAGHER said the Council would be stultifying itself if it appointed a man who was not a member of the Society. None of the applicants was ineligible for membership. The appointment of a registrar was possible only because the Society had members. THE PRESIDENT said that while a candidate should not be victimised because he was not a member, if the choice lay between a member and a non-member who was slightly better, he would have no hesitation in choosing the member. MR. O'SULLIVAN pointed out that the advertisement had required applicants to be pharmaceutical chemists but had not stipulated membership of the Society. MR. KISSANE suggested a system of marking under which extra marks would be given for membership. MR. DALY agreed but he did not think a licentiate should be penalised.

The licence certificates of the following were signed and sealed: William Bernard Hurson, Bridget Murphy, Daniel Hegarty and Robert Joseph Nutty. The following were elected members of the Society: Mrs. E. Butler, Mr. L. J. Curran, Miss R. D. Mulligan, and Miss M. O'Malley. Mr. L. B. Martin was elected an associate druggist. The following were nominated for membership: Mr. M. Byrne, Miss T. F. Ellis, and Miss M. McSweeney.

MR. DALY asked that the results of the pre-registration examination being held in Cork on June 17 should be issued without undue delay.

MR. MCKANE said he had noticed that a new Public Health Bill was now passing through the Dail; had any representations been made to the Minister on the matter? THE PRESIDENT said that representatives of the Society had had two interviews with the Minister but the Bill had not been discussed in detail. MR. MCKANE said he had observed that it was intended to retain those clauses of the original bill which had caused so much anxiety amongst chemists. He thought the Council should get a copy of the Bill and attempt to have amended before it was too late the clauses to which the Society objected. MR. BRADY thought a committee should be appointed to study the relevant sections and to suggest amendments. It was agreed on the motion of THE PRESIDENT, seconded by MR. BRADY, that a subcommittee should be set up to study the Public Health Bill. The subcommittee, consisting of the officers and Messrs. F. X. Meagher, N. A. McKane, F. Loughman, T.D., and M. Costello, would meet the day following the Council meeting. It was agreed, on the motion of MR. POWER, that as from July, the Assistants' examinations should begin on Tuesdays instead of Mondays.

At a meeting of the Benevolent Fund Committee held following the Council meeting, several grants were passed for payment.

NORTHERN IRELAND STATUTORY COMMITTEE

THE Statutory Committee of the Pharmaceutical Society of Northern Ireland, appointed under the Medicines, Pharmacy and Poisons Act (Northern Ireland), 1945, sat for the first time in Belfast on May 9 to consider the case of Thomas Edward Stephenson, registered druggist, Wellington Street, Belfast, who was convicted by the Belfast Commission in October 1946 of a criminal offence. The chairman of the Committee was Mr. W. F. Patton, K.C., who sat with Messrs. Walter C. Tate, James McDowell, Charles Abernethy and J. Trevor Nicholl (past-presidents of the Society), with Mr. W. Gorman as clerk.

Committee's Powers

The Society's solicitor said that the inquiry was called under Section 13 of the 1945 Act. Under that Act, if a registered person, or a person employed by him in the carrying on of his business, is convicted of such a criminal offence, or found guilty of such misdemeanour as, in the opinion of the Committee, has rendered him unfit to be on the register, the Committee has power to direct the registrar to strike his name off the Register. Documents were produced to prove that Stephenson, a registered druggist, was convicted of the manslaughter of a girl and sentenced to six years' penal servitude (later reduced to four years). In reply to Mr. Patton, who said that manslaughter in itself was not such an offence as was mentioned under the Section, it was pointed out to the Committee that evidence given at the trial was of manslaughter caused by an illegal operation. On behalf of Stephenson, attention was drawn to the fact that he intended, if he could do so within the framework of the law, to carry his case to the highest tribunal in the land, but the fiat of the Attorney-General, which was necessary for that purpose, was not at that date forthcoming. There were facts in the case, it was urged, that might lead the Committee to exercise discretion as empowered under the Act. The first was that Stephenson, who was now sixty-two years of age, had been in business in Belfast since 1904 without any reflection having been cast upon him. The most extensive and deliberate inquiries had been made by the police, and there was no suggestion of any illicit dealings by him, nor was it a case of attempting to procure an abortion by the administering of drugs which came into his possession as a druggist. If he had been a professional abortionist the sum of money in the case, which was about £2, would have been much more and it was not likely that Stephenson would risk his name and reputation for such a trivial sum. It was suggested that this was an isolated instance, in which Stephenson succumbed to help relieve the girl of pain at the request of others. Stephenson, when released from prison, would be sixty-six

years of age, and without means of livelihood. He would have purged his crime by serving his term of imprisonment, during which he would not be able to practise, and it was suggested that that was a sufficient penalty. No harm or danger would be caused to the public during that period if the Committee exercised its discretion and retained his name on the Register.

After a retirement, the decision of the Committee was announced. Mr. Patton said the members had come to the conclusion that there was no alternative for them but to remove Stephenson's name from the Register. The offence was serious, and they were not at liberty to consider for one moment whether the conviction was proper or not. They had listened carefully to the pleas put forward for Stephenson, and were convinced that there were elements in the case that called for sympathy. It also appeared that Stephenson's action had not been taken for the purpose of gain but possibly in the mistaken belief that he was helping someone. At the same time, the Committee could not, in the public interest, and in the interest of the Society, condone the offence in any way. With some regret from a personal point of view, they must find as stated.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

In the absence of Mr. J. W. Gray, J.P. (president), through illness, Mr. John McGregor (vice-president) was in the chair at the monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on May 16. Also present were Messrs. J. Glendinning, W. H. Boyd, H. F. Moore, C. Abernethy, Walter C. Tate, James McDowell, Professor E. B. C. Mayrs and Mr. W. Gorman (secretary). Apologies were received from Messrs. J. E. Connor, J.P., J. Irwin, P. R. W. Shinner, F. R. Moore, J.P., and H. H. Cowzer (treasurer).

Examiners Approved

The Secretary stated that the Ministry of Home Affairs had approved the examiners appointed for the Society's examinations in 1947. Notice was also received from the Ministry that certain drugs had been scheduled under the Dangerous Drugs Acts (see p. 580).

A letter was read from the clerk of the Statutory Committee stating that, following an inquiry, it had been directed that the name of Thomas Edward Stephenson, registered druggist, 17 Wellington Street, Belfast, should be removed from the register (see above).

Certificates of apprenticeship were granted to the following: Robert Leo Lamont, Belfast; Donal Joseph McSorley, Omagh; John Stanley Hamilton, Belfast; Michael James McAteer, Strabane; Dorothy Jane Owens, Belfast; and Francis John Irwin Jackson, Carryduff.

Professor Bell (Belfast College of Technology) wrote stating that a number of students for the forthcoming Part I examination would not have had the requisite number of hours of study because they had begun their courses under the old syllabus. It was recommended by the Education Committee that the hours should be made up where it was considered that students had a reasonable chance of success. The minutes were adopted on the motion of Mr. Tate, seconded by Mr. Abernethy.

On the motion of Mr. Glendinning, seconded by Mr. Boyd, it was decided to make a grant of £24 11s. 8d. to the Londonderry Technical School for the provision of apparatus for zoology classes for pharmaceutical students.

A motion in the name of Mr. Cowzer to contribute £105 to the Centenary Endowment Fund of Queen's University, Belfast, with the recommendation that the money should be used to further the study of pharmaceutics in the University, was postponed owing to the absence of Mr. Cowzer. The minutes of the Finance Committee were adopted on the motion of Messrs. Boyd and Abernethy.

It was stated that a deputation appointed to see the Ministry about the facilities available at the Belfast College of Technology had not yet paid a further visit to Stormont.

It was decided that a letter should be sent to the Medical Committee of Northern Ireland expressing regret at the death of the Committee's representative on the Council (Dr. S. E. A. Acheson).

Insulin from Fish.—A German firm at Wesermuende is reported to be producing insulin from the pancreas of such fish as cod, halibut and sea salmon. Output is stated to be between 500,000 and 600,000 units of insulin per month.

THE FEET AND THE PHARMACIST

By C. B. HOLLIDAY, M.P.S.

4. SOME NOTES ON ATHLETES' FOOT

THE condition known as athletes' foot was first recognised in 1892; today it is familiar to all pharmacists. The affection is widespread in Europe and America, and in many other parts of the world (as indicated by such names as Hong-Kong toe). Athletes' foot was an infection of major importance during the war, both at home, owing to overcrowding in air-raid shelters and overseas among the Services. It is far more prevalent than is generally realised.

Cause and Signs of Condition

The pharmacist is frequently called upon to advise on its treatment, and although it is a subject which is more in the province of the doctor than that of either the pharmacist or chiropodist, it may be of value to consider in some detail its appearance and treatment. The condition is caused by a fungus, usually a species of *Epidermophyton,* and spreads to the soles of the feet from the toe clefts. An advancing edge of itching pustules is a good diagnostic point. Red, moist and tender areas are left, and these become very inflamed. Secondary infections are sometimes set up which, though due to the fungus, do not show the organism when epidermal scrapings are examined microscopically. When the fungus is removed, these secondary lesions disappear after a time; they do not readily respond to fungicides or antiseptics. Indeed, the eczematous area is often irritated by chemicals, so that its recognition is essential for proper treatment.

Many cases of chronic athletes' foot are due to secondary infections that have been irritated by improper treatment rather than to the retention of the fungus under the hard, horny epidermal layer. Treatment is usually of three kinds:—

1. Disinfection of socks and shoes.
2. Eradication of the fungus.
3. Treatment of any secondary infection.

Disinfection is best performed by the vapour of formaldehyde, which kills both the fungal hyphæ and the spores. The patient should be advised to change his socks and shoes regularly, every day if possible. The infectious nature of the disease should be stressed, and the necessity for great care in the use of face flannels, towels, etc., when the feet are washed, in order to avoid transmitting the fungus to uninfected persons. On no account should the patient be allowed to walk about in his bare feet, as this is one of the commonest ways by which the fungus is passed on to other individuals. The capacity to kill the fungus varies with the substance used, but the application of almost any antiseptic or fungicide has a destructive effect upon the organism. Perhaps the most popular remedy is Whitfield's ointment (ung. acid. benz. co.), and excellent results are obtained by its use. The ointment is unsuitable where there is copious weeping of the lesions, and it is as well, before using it, to dry the feet by bathing them in dilute solutions of potassium permanganate, or by painting them with a 0.5 per cent. solution of gentian violet in spirit. 10 per cent. tannic acid in liq. acriflavinæ can be recommended when the infection is associated with hyperidrosis.

The so-called "gentian violet sock," whereby the whole of the foot is painted with gentian violet solution, is useful in chronic cases. Good results have also been obtained with gentian violet jelly and solutions in water or spirit. The main disadvantage of dyestuffs, such as gentian violet and brilliant green is their staining property, which soils the clothes and in addition colours the skin.

Mild Infections

Mild infections may be treated with mercury ointment such as ung. hydrarg. ammon. dil. Ung. chrysarobin, or preferably the non-staining ung. dithranol, are also prescribed, and good results have been obtained from their use.

The organic mercurials, phenyl mercuric acetate and phenyl mercuric nitrate, are to be recommended. A 1-5,000 ointment of either compound, rubbed into the skin night and morning, has been found beneficial. Pharmacists are sometimes presented with recipes for the so-called phenol-camphor mixture of the type phenol, 3; camphor, 6; and liquid paraffin, 1. Such formulas should be used with extreme care. Although they often quickly clear epidermo-phtosis, some sensitive skins react strongly, irritation being set up and even blisters formed. Care is particularly necessary when the preparation is required for children's feet.

BUSINESS QUERIES AND ANSWERS

Dissolution of Partnership

"My partner and I have decided to dissolve partnership and we would like to adjust our financial affairs properly. We have drawn up a statement of affairs, and this shows assets with a total book value of £8,560, while the liabilities consist entirely of amounts owing to suppliers, totalling £1,278. The assets include a cash and bank balance of £874, and the remainder of the assets are being taken over by . . . . at an all-in price of £6,500. Winding-up expenses are likely to amount to £400, and the creditors will have to be paid in full. If you could make up the final accounts from the above information we should be greatly indebted to you.—B. M."

Assuming that profits and losses are equally divided between the partners, the accounts would show entries as follows:—

Balance Sheet
(at date of dissolution)

Liabilities		£	*Assets*	£
Sundry creditors		1,278	Cash and bank balances	874
Capital, viz.:—			Other assets	7,686
P.M.	£3,641			
B.M.	3,641	7,282		
		£8,560		£8,560

Realisation Account

Debit	£		*Credit*	£
To Sundry assets	7,686		By Cash on realisation	6,500
,, Winding-up expenses	400		,, Loss on realisation, divisible as follows:—	
			P.M.	£793
			B.M.	793
	£8,086			£8,086

Cash Account

	£		£
To Cash and bank balances	874	By Winding-up expenses	400
,, Realisation account (sale of assets	6,500	,, sundry creditors	1,278
		,, transfer to capital accounts, viz.:—	
		B.M. £	
		P.M.	5,696
	£7,37[illegible]		£7,374

P.M. Capital Account

	£		£
To loss on realisation	793	By balance on dissolution	3,641
,, cash	2,848		
	£3,641		£3,641

B.M. Capital Account

	£		£
To loss on realisation	793	By balance on dissolution	3,641
,, To cash	2,848		
	£3,641		£3,641

Alternatively, the amounts realised on the sale of the assets could be posted from the cash book to the credit side of the asset accounts, the balances of the latter being transferred to the realisation account.

PUBLIC PHARMACISTS

At the annual meeting of the Guild of Public Pharmacists held in London on May 17, the following were elected as ordinary members of the Guild's Council: The Misses E. Dobie, Birkenhead, and M. C. Islip, London; and Messrs. E. W. Barstow, London; D. H. S. Cox, Nottingham; J. R. Elliott, London; R. H. Henriksen, Dartford; J. Moore, London; A. G. Shaw, Edgware; J. J. Tinney, Liverpool; and J. H. Wood, London. The following district members were returned without a ballot: Scottish, Mr. D. Currie, Glasgow; North-western, Mr. L. Haselgrove, Oldham; North-eastern, Mr. A. N. Stephenson, Wakefield; Midland, Mr. G. Bryan, Birmingham; South-eastern, Mr. J. Billington, Windsor. There were no nominations for the South-western district. A resolution proposed by Mr. D. H. S. Cox (treasurer), authorising an increase in the annual subscription to £1 10s., was carried; the Council was empowered to accept from members joining on or after October 1 in any year, an initial subscription of 7s. 6d. for that year, while the annual subscription for members resident outside Great Britain was fixed at 10s. It was agreed that the Council should pay to the treasurer of each branch an annual sum of not less than 5s. in respect of each member resident in the area covered by the branch. The Council was instructed to examine the possibilities of rearranging Guild districts to coincide with National Health Service hospital regions, and to proceed with such reorganisation if it proved practicable. The Council was also instructed to re-examine (in the light of a suggestion that an annual conference of branch delegates should be held in its place) the practice of holding an annual meeting. A resolution from the Manchester Branch, that the Council should request each branch to submit at once its nominations for appointment to hospital management committees, was defeated.

Secretarial Change

In the course of the joint secretaries' report it was stated that one of the two pharmacists nominated to serve on the Central Health Services Council was a member of the Guild. The chairman announced with regret that Mr. J. Moore was retiring from the position of secretary owing to eyestrain. Until the election of a new secretary, Mr. A. G. Shaw undertook to carry on the duties.

CORRESPONDENCE

Where Control is Needed

Sir,—We are becoming more and more accustomed to radio warnings on "loss of dangerous drugs." It would appear that legislation is necessary to prevent the carelessness which brings about this serious state of affairs—surely a greater social scandal than consuming harmless "patent" pills.

Chilwell. R. G. Davies-John.

Dispensers in Hospitals

Sir,—On several occasions I have received complaints from dispensers with the Apothecaries' Hall qualification concerning their representation on the Joint Negotiating Committee (Hospital Staffs). It would appear, from the reports of the Committee, that the Guild of Public Pharmacists "represented" them in the negotiations. In reply to my question at the annual meeting of the Guild, the president made it clear that the Guild did not negotiate on behalf of the dispensers; a representative of the Society of Apothecaries sits on the Committee. As the misunderstanding had caused a feeling of resentment towards the Guild, I should be glad if you would give this matter some publicity.

Basingstoke. B. A. Williams.

A Local Liaison Committee

Sir,—Delegates from the executive committees of four branches of the Pharmaceutical Society met at Wembley on May 16 to discuss what benefits might be provided by an "association of ideas" through a liaison committee. The following delegates were present: from Harrow Branch, Messrs. J. M. Atkinson, R. Goode, and H. W. Tomski; from Hendon and Edgware Branch, Messrs. S. E. Beaton, Derek B. Clarke, and Horace Wright; from Wembley Branch, Messrs. Evan C. Meredith and T. B. Robinson; and from West Middlesex Branch, Messrs. J. W. Kitchener, F. G. Wells, and A. E. Weston. Mr. T. B. Robinson was elected *Chairman* and Mr. Evan C. Meredith, 18 Wentworth Hill, Wembley, Middlesex, *Secretary*. The following provisional constitution and rules were adopted: —The organisation, to be called the liaison committee, shall be empowered to act (in an advisory capacity) on all matters of pharmaceutical interest, and shall consist of three delegates from each branch, one of whom should be the secretary. Any communications should be sent to me.

Wembley. Evan C. Meredith.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, May 21

PRODUCTION of PHARMACEUTICAL and FINE CHEMICALS continues on a good scale but demand is still outpacing supply of many items. Shortages of raw materials or of containers are largely responsible for this disparity, and, as far as is possible, manufacturers are allocating supplies of their products in an effort to obtain fair distribution. Prices generally are unchanged but the undertone remains firm. Makers of PROCAINE and its salts have agreed on a schedule of prices; 7-lb. lots will be charged at 44s. 6d. per lb., with other quantities in proportion.

Crude Drugs

The quiet market persists and few price changes have been noted. Distribution of the Japanese AGAR is expected to begin next week; prices have been fixed by the agar committee. A good inquiry is reported from the Continent for agar; none of the Japanese material is for export. Lower prices for Cape ALOES, for shipment, have been asked but little business has been transacted. BENZOIN has been in good request; prices remain unchanged. A fair business has been negotiated in CALUMBA and spot stocks are stated to be much reduced. A good inquiry has been noted for CASCARA SAGRADA; shipment prices for new season's bark vary considerably. CASCARILLA continues to be inactive. A shipment of DRAGONS BLOOD is expected to arrive shortly. Lower prices are asked for Brazilian MENTHOL; Chinese is quoted at slightly easier prices by some holders. Shipment prices for QUASSIA are now available. SHELLAC is an easier market. BEES' WAX is selling at higher values. There has been a sharp decline in the quotations for CARNAUBA WAX. Forward quotations for Italian produce are easier, reflecting the improved exchange position.

Essential and Expressed Oils

Few changes have occurred and business continues on a routine scale. As new arrivals of Ceylon CITRONELLA have come forward spot quotations have eased slightly. LEMONGRASS is also cheaper on the spot. English-distilled NUTMEG OIL is now quoted at 65s. per lb. for small quantities.

There are no changes in the controlled rates for REFINED EDIBLE OILS for the eight-week period from May 25 to July 19.

U.S. Drug and Chemical Report

New York, May 16

THE easing of prices of industrial chemicals is not expected to continue, since production of many materials is still falling behind domestic requirements. In the PHARMACEUTICAL CHEMICALS markets few changes have been noted. Quotations for SILVER NITRATE have been reduced, reflecting a decline in the price of the basic metal. STEARIC ACID has also been reduced following a decrease in tallow prices. The supply position of GLYCERIN has improved but producers are not yet able to accept any orders from abroad.

CRUDE DRUGS are cheaper, reflecting a lack of demand and not an improvement in the supply position; buyers appear to be awaiting a return to more normal price levels. Among the few firm items are BELLADONNA, COLCHICUM, CASCARA SAGRADA, HYDRASTIS and IPECACUANHA. Although a few odd lots of MENTHOL may still be had at $8.35 per lb., the market generally is firmer with principal suppliers asking $8.50 to $8.65. Few, if any, offerings are coming out of China and the latest advices from Brazil indicate that replacements from that country would cost nearly $9, duty paid.

Increasing offers of a number of ESSENTIAL OILS brought about a more competitive position and resulted in further price reductions during the past week. ORANGE and MINT OILS continue to be in exceedingly short supply.

Pharmaceutical Chemicals

AMPHETAMINE.—Steady. Prices for the BASE and SULPHATE are from 150s. to 170s. per lb., as to quantity.

ANETHOLE.—Ex Star anise oil is quoted at 20s. per lb.

ASCORBIC ACID.—Current quotations are from £23 10s. per kilo, upwards.

BENZALDEHYDE.—Prices of B.P.C. quality are from 4s. 9d. to 5s. 6d. per lb., as to quantity.

BENZOCAINE.—Current rates per lb. are 40s. 9d. for 28-lb. lots and 41s. 3d. for 14-lb. lots, other quantities in proportion

BENZOIC ACID.—Makers' quotations are from 2s. 7d. to 3s. per lb., according to grade and quantity.

CREOSOTE.—B.P. quality, ex beechwood, is quoted from 7s. 6d. per lb. upwards.

CRESOL.—Controlled price of B.P. quality from distillers is 4s. 6d. per gall., ex sellers' premises.

DIGITOXIN.—Current quotations are in the region of 170s. per gm.

EMETINE.—Makers' prices per oz. are as follows: HYDROCHLORIDE, 1 oz., 207s.; 4 oz., 200s.; 16 oz., 197s. 6d.; 32 oz., 195s.; BISMUTH IODIDE, 1 oz., 103s. 6d.; 4 oz., 102s.; 16 oz., 100s. 6d.; 32 oz., 99s.

EUCALYPTOL.—B.P. quality, in good supply, is available at 12s. 6d. to 13s. per lb., according to quantity.

GUAIACOLS.—In fair supply. Liquid is ioted at 14s. 6d. to 16s. per lb.; crystal and rbonate, 14s. to 15s. per lb., according to iantity.

HEXAMINE.—B.P. is quoted at from s. 5d. to 1s. 9d. per lb., as to quantity.

HEXYL RESORCINOL.—Quoted from 18s. to 's. per oz. upwards.

HOMATROPINE.—Makers' prices per oz. re as follows (prices per gm. in brackets): LKALOID,—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 5 oz., 87s. 6d. (4s.). HYDROCHLORIDE, YDROBROMIDE and SULPHATE.—1 oz., 75s.; oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYDROQUINONE.—In bulk, 1-cwt., 8s. 4½d. er lb., 56-lb., 8s. 7d. Small quantities in -lb. containers (free), 10s. 6d. per lb.

HYOSCINE HYDROBROMIDE. — Makers' uotations are from 147s. 6d. to 150s. per z., according to quantity.

HYPOPHOSPHITES.—Makers' rates per lb. or 7-lb. lots are: AMMONIUM, 9s. 3d.; ARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. IYPOPHOSPHOROUS ACID, in quantities of 6 Vinchester quarts is 6s. 2d. per lb.

ICHTHAMMOL.—B.P. material is quoted n bulk at 4s. 3d. per lb., 28-lb. tins are s. 9d.; 14-lb., 5s.; 1-lb., 5s. 10½d. per lb.

ISOPROPYL ALCOHOL.—B.P.C. quality is uoted at 13s. 9d. per gall.

LACTATES.—Makers' quotations per lb. re as follows: CALCIUM, 2s. 3d. to 2s. 9d.; 'ALCIUM SODIUM, 3s. 3d. to 3s. 9d.; LACTIC CID, 3s. to 3s. 3d.

LACTOSE.—Quotations are from £120 per on upwards, according to quantity.

LECITHIN.—Ex ovo, 85 per cent., is uoted at prices from 90s. per lb., upwards.

MAGNESIUM TRISILICATE.—Prices for the ome market are from 3s. 6d. to 4s. per lb., ccording to quantity and pack.

MANDELIC ACID.—Current prices are as ollows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

PEPTONE. — Importers' quotations are rom 13s. to 15s. per lb., as to quantity.

PHENACETIN.—In limited supply. Small uantities would be worth 4s. 6d. per lb.

PHENAZONE.—In short supply. Quotaions are from 20s. to 25s. per lb., as to uantity.

PHENOBARBITONE. — Quotations for the cid and the SOLUBLE salt are from 35s. to 39s. per lb., as to quantity.

STILBŒSTROL. — Quotations are from 2s. 3d. to 2s. 6d. per gm. STILBŒSTROL DIPROPRIONATE is available at the same rices.

SULPHANILAMIDE.—Large quantities are uoted from 5s. 9d. per lb. upwards; smaller uantities are at 7s. to 7s. 6d. per lb., ccording to pack.

TANNIC ACID.—In very short supply, B.P. evis, ex ether, is quoted from 10s. 6d. per lb. pwards, according to quantity.

Crude Drugs

AGAR.—Japanese strip in original packages is quoted at 18s. 8d. per lb. plus 28s. 6d. per bale of 100 lb.

ALOES.—Curaçao is steady at 240s. per cwt., spot; forward price is quoted at 210s. c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; poorer grades are offered at as low as 150s. Cape, for shipment, is easier, but little business is passing at the lower prices

ANISE (STAR). — Spot quotations are steady at 150s. per cwt., duty paid; forward, 100s., c.i.f.

ANTIMONY.—Current rates are as follows: 99.6 per cent. regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

ARECA NUTS.—Quiet. Ceylon is steady at 65s. to 67s. 6d. per cwt., according to holder.

BALSAMS.—*Canada* is quoted at 15s. per lb., spot; Parà *Copaiba* is quoted at from 8s. to 9s. per lb. *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices are from 18s. to 19s. per lb., spot.

BENZOIN.—Spot quotations for Sumatra are steady at from £17 10s. to £23 per cwt., according to quality.

BISMUTH.—Current price for high-grade metal is 10s. per lb., in 5-cwt. parcels.

BUCHU.—Short-rounds are at 4s. to 4s. 3d. per lb., spot; new-crop, for shipment, 4s., c.i.f.

CALABAR BEANS. — Quotations are at 1s. 6d. per lb., ex warehouse Liverpool.

CALUMBA.—Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is scarce at 55s. to 60s. per cwt.

CAMPHOR. — Steady. Chinese tablets (¼-oz.). quoted at 11s. 6d. per lb., spot; refined powder (B.P.), 11s.; Formosa crude (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—Chinese is quoted on the spot at 17s. 6d. per lb.

CAPSICUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CARDAMOMS.—Quiet and steady. Mangalore, half-bleached, A's, are quoted at 8s. 9d. per lb.; B's, 8s. 3d. per lb.; seeds, 7s. 9d., spot. Aleppy seeds, No. 1, is at 8s. per lb.; Aleppy greens, 7s. per lb., spot.

CASCARA SAGRADA.—1946 peel is quoted at 275s. to 280s. per cwt., duty paid. New-peel bark, in course of collection, is quoted at 36 to 38 cents per lb., c.i.f.

CASCARILLA.—Quills, sellers at 1s. 11d. per lb.; siftings are available at 1s. 6d., spot.

CASSIA PODS.—(*C. fistula*).—East Indian is easier at 80s. to 85s. per cwt., ex wharf.

CHAULMOOGRA.—Quiet. *Hydnocarpus* is available at 2s. per lb., in tins in cases.

CHILLIES.—Mombasa, quoted at 170s. to 175s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

CINNAMON.—Quillings are quoted at 2s. 10d. per lb., spot; featherings, 2s.; chips, 1s. 3d.; chips sifted and washed, 1s. 4d. to 1s. 6d., according to quality.

CLOVES.—Zanzibar are quoted at 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

COCOA BUTTER. — Maximum controlled price, with effect from May 9, is 2s. 11d. per lb., delivered.

COCHINEAL.—Silver-greys for the home trade, 4s. 6d. per lb., on the spot; blacks, very scarce, are quoted at 5s. 9d. per lb.

COCONUT (DESICCATED).—Maximum controlled price is 74s. 8d. per cwt., ex store.

COLOCYNTH.—Steady. Fine-white is at 2s. 2d. and medium-white, 2s. per lb., spot.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot. English-grown, 2s. 6d. per lb.

ERGOT.—Steady. Quoted at 5s. 3d. per lb., spot; to arrive, 5s., c.i.f.

EUPHORBIUM.—Quoted at 80s. per cwt. on the spot.

GALANGAL.—Forward, 75s. per cwt., c.i.f.

GALBANUM.—A parcel is being offered at 8s. 6d. per lb., in bond.

GAMBOGE.—Siam-pipe, scarce on the spot, is quoted at £65 per cwt.; shipment, £45, c.i.f.

GENTIAN.—French natural root is steady at 100s. per cwt.; cut, 130s., spot.

GINGER.—Jamaica No. 1 is quoted at 125s. per cwt.; No. 2, 110s.; No. 3, 102s. 6d. to 107s. 6d., spot. African is quoted at 72s. 6d., spot; forward, 62s. 6d., c.i.f.

GUAIACUM RESIN.—Lump material, now afloat, is quoted at 3s. per lb., landed, duty paid.

GUM ACACIA.—Kordofan cleaned sorts has firmed after the recent easier market. Spot is now quoted at 74s. per cwt.; shipment continues at 67s. 6d.; c.i.f. Bleached No. 1 is steady at 145s., ex store. Talha is quoted at 41s. per cwt., spot; forward quotations are lower at 37s., c.i.f.

GUM MASTIC.—No. 1 is quoted at 16s. per lb., duty paid.

HENBANE.—Indian leaf is quoted at 250s. per cwt., spot.

HENNA.—Indian leaves would be worth 1s. 5d. per lb., landed.

HYDRASTIS.—Spot quotation is at 60s. per lb.; forward, 55s., c.i.f.

IPECACUANHA.—Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 25s. 6d., c.i.f.

IRISH MOSS.—French material, finest-quality bleached, is quoted at 120s. per cwt., spot; No. 1 is at 105s.; No. 2, 95s. per cwt.

JALAP.—Vera Cruz is quoted at prices from 2s. 3d. to 5s. per lb., according to test.

KAMALA.—Difficult to find. Material with a test of 6 per cent. ash is quoted at 3s. per lb., spot.

KARAYA.—No. 1 gum is quoted at 215s to 220s. per cwt., spot; No. 2, 170s.

KOLA NUTS.—Steady. African quarters are quoted at 7½d. per lb.; African halves 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

LIQUORICE ROOT. — Quiet. Anatolian whole root is steady at 60s. per cwt., spot. Turkish juice (block) is quoted at 250s per cwt., duty paid; shipment, 225s., c.i.f. Italian block for shipment, 250s., c.i.f.

LOBELIA.—In limited supply. Spot quotations are at 6s. per lb.

MACE.—West Indian pale is quoted at 7s. 6d. to 8s. per lb., spot; pickings, from 5s. 3d. to 5s. 9d. per lb., according to quality.

MENTHOL.—Brazil is easier at 46s. 6d. to 48s. per lb., duty paid, according to holder; forward, 40s., c.i.f. Chinese is quoted at prices from 52s. 6d. to 54s. 6d., duty paid; forward, 48s. 6d., c.i.f.

MERCURY.—Spot quotations are easier at £17 3s. 6d. per flask, ex warehouse; shipment value is at £16 12s. 6d., c.i.f.

MYRRH.—Aden sorts is quoted at £14 to £15 10s. per cwt., according to quality; siftings, £8 to £10 per cwt.

NUTMEGS.—West Indian 80's are quoted at 4s. 6d. per lb., spot; 110's are available at 3s. 9d.; sound unassorted 3s. 5d.; wormy and broken, 3s. 2d.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt. Mangalore, 40s.; Cochin, 42s. 6d. to 45s., spot, according to seller.

OLIBANUM.—Fair to good drop is quoted from 200s. to 240s. per cwt.; good garblings, 180s.; seeds, 175s.; siftings, 110s.

ORANGE PEEL.—Spanish quarters, steady at 1s. 6d. per lb., spot; sweet ribbon, 1s. 9d. per lb. Bitter ribbon is quoted at 1s. 3d. per lb., spot Liverpool.

ORRIS.—Steady. Florentine is quoted at 150s. to 160s. per cwt.

PIMENTO.—Spot quotations are steady at 1s. 1¼d. per lb.

QUASSIA. — For shipment, June-July, quoted at 34s. per cwt., c.i.f.; September-October shipment is quoted at 32s., c.i.f.

QUILLAIA.—Natural bark, quoted at 130s. per cwt.; cut, for future delivery, 150s., ex store.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Chinese rough round, with a fair fracture, 7s. 9d. to 9s. per lb., according to quality and holder; poorer material is available at 4s. 6d. French rhapontica is quoted at 2s. per lb., spot.

SANDARAC.—Easier. Quotations are at 6s. to 6s. 3d. per lb., ex store London.

SARSAPARILLA.—Jamaica, native red is quoted at 2s. 3d. to 2s. 4d. per lb.

SEEDS.—As a result of the quiet state of the seed market during the past week, prices are again quoted at lower levels. ANISE.—Cyprus, quoted at 2s. 3d. per lb., spot London or Liverpool. CARAWAY. — Dutch

ffered at 1s. 4½d. per lb., duty paid, spot London; Polish is now available at 1s. 1d. er lb., duty paid, spot London. CELERY.—ndian, nominal, 1s. 5½d. per lb., spot Liverpool. CORIANDER.—Spot. Morocco now ffered at 52s. 6d. per cwt., duty paid; no usiness is reported at this figure. Argenne is quoted at 52s. 6d. per cwt., duty paid, pot London or Liverpool; English, nominal 75s. per cwt. CUMIN.—Spot. Morocco, 37s. 6d. per cwt., duty paid, ex wharf London; Indian, 232s. 6d. per cwt., spot Hull r Liverpool; Cyprus is quoted at 240s. per wt., spot London. DILL.—Indian quoted 45s. per cwt., spot London, and 42s. 6d., pot Liverpool. FENNEL.—Indian, 110s. to 15s. per cwt., ex wharf London. FENUREEK.—Indian, 50s. per cwt., spot London; 5s. per cwt., quoted in Liverpool.

SENEGA.—Quoted at 13s. to 13s. 3d. per b., spot.

SENNA.—Tinnevelly leaves, spot, No. 1 s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4, ½d. Tinnevelly pods, hand-picked, 10½d. 1s. 4d.; manufacturing, 6d. to 6½d. lexandrian pods, hand-picked, spot, from s. 3d. to 4s. 9d., according to quality; edium, 2s. 9d.; manufacturing, 1s. 9d. to s. per lb.

SQUILL.—Quiet. Italian is quoted at 70s. er cwt., spot.

STRAMONIUM.—Indian leaf is quoted at 5s. per cwt., on the spot.

STROPHANTHUS.—Quiet. Kombé seed, 100 er cent., quoted at 10s. per lb.

STYRAX.—Small quantities are available t 5s. per lb., duty paid.

TONKA BEANS.—Frosted Pará is quoted at s. 9d. per lb., spot.

TRAGACANTH.—Steady. Selected grades re quoted at £155 per cwt. Other grades re as follows: No. 1 white, £145 per cwt. o. 2 white, £125; No. 3 white, £110; No. white, £85; pale leaf, £50; amber leaf, 45; dark amber, £35; brown leaf, £25; ed-and-brown leaf, £20; red leaf, from £17; oggy, £12 to £15 per cwt.

TURMERIC.—Madras finger is quoted at rom 105s. to 110s. per cwt., spot.

VALERIAN.—Belgian root is at 190s. to 20s. per cwt., according to holder.

WAXES.—Dar-es-Salaam BEES' is quoted t 365s., spot, and shipment is at 347s. 6d., .i.f. Lindi is quoted at 362s. 6d. per cwt., pot; shipment, 345s., c.i.f. CANDELILLA.—uoted at 425s., spot; forward, 440s., c.i.f. ARNAUBA.—Fatty grey is now down to 20s. per cwt., spot; June-July shipment is uoted at 490s., c.i.f. Prime yellow is uoted at 850s., spot, and shipment is at 00s., c.i.f. Chalky grey is at 700s., spot, nd shipment, 460s., c.i.f. MONTAN.—Reieck is easier at 390s. per cwt., spot; Czechoslovak crude, 320s., spot. OURICURI. —2 per cent., spot, 480s. per cwt.; shipment, 20s., c.i.f.; 9 per cent, 425s., spot; 5 per ent. shipment is quoted at 400s., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. sweet is firmly held at 8s. to 9s. per lb., according to quantity.

BAY.—West Indian is steady at 7s. 6d. to 9s. per lb., spot.

CADE.—Spot, 5s. per lb., nominal.

CANANGA.—Nominal value, 50s. per lb.

CASSIA. — Spot quotations are from 16s. 6d. to 20s. per lb., as to quantity.

CASTOR. — Controlled prices are unchanged. Firsts, £180 per ton; Seconds, £176, naked ex works.

CINNAMON LEAF.—Quotations are at from 12s. to 13s. 6d. per lb., according to quantity.

CITRONELLA. — Ceylon is quoted at prices from 8s. to 10s. per lb., spot.

CLOVE.—English-distilled from buds is quoted at 11s. to 12s. per lb., according to quantity.

CORIANDER. — Very scarce. English-distilled oil is available at 250s. per lb.

FENNEL.—Sweet oil is quoted at 17s. 6d. to 20s. per lb., on the spot.

GINGER.—Quotations range from 75s. to 125s. per lb., according to quality and seller.

LEMONGRASS.—Cochin is quoted at from 9s. 6d. to 11s. 6d. per lb., spot.

LIME.—West-Indian distilled oil is quoted at 35s. to 40s. per lb., spot.

LINSEED.—Controlled price of crude is £200 per ton, naked ex works.

NEROLI.—Spot is quoted at 120s. per oz.

NUTMEG.—English-distilled oil is quoted at 65s. per lb.

OLIVE.—Controlled price of edible, 1 per cent., is unchanged at 47s. 9d. per gall. of 9 lb., ex store London, in 45-50 gall. drums.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot, 35s. to 40s. per lb., according to quantity; forward quotations are easier.

PATCHOULI.—Seychelles, spot quoted at 125s.; to come forward, 80s. per lb. Singapore, spot, 180s. to 190s.

PIMENTO BERRY.—English-distilled oil is quoted at 60s. to 65s. per lb.

RAPESEED.—Controlled price of crude oil is £190 per ton, naked ex works.

ROSEMARY.—Spanish is quoted at 9s. 6d. to 11s. 6d. per lb., as to quantity.

SANDALWOOD.—English-distilled, in limited supply, is quoted at 85s. to 90s. per lb., according to quantity.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

THYME. — Red oil (40-42 per cent. phenols) is at 16s. 6d. to 17s. 6d. per lb.; white oil is quoted at 19s. to 21s. per lb., spot.

VETIVERT.—Java is quoted at 175s. per lb., on the spot; Bourbon is at 180s.

YLANG YLANG.—Scarce. Quotations are in the region of 100s. per lb.

TRADE MARKS

(From "The Trade Marks Journal," May 7)

" D.D.D. "; for soap, toilet talcum-powder, shampoo powder, and vanishing and cold creams for toilet purposes (3), and for medicated preparations for the treatment of the skin and scalp (5). By D.D.D. Co., Ltd., 3 Fleet Lane, Ludgate Circus, London, E.C.4. 632,154 (Associated).

Monogram " MH "; for perfumery, toilet preparations (not medicated) and cosmetic preparations (3). By M. Hornes, Ltd., 16 Davies Street, London, W.1. B642,379.

" PANTEEN "; for toilet preparations (not medicated), cosmetic preparations, soaps and hair lotions (3). By Roche Products, Ltd., 40 Broadwater Road, Welwyn Garden City, Herts. 643,443 (Associated).

" LANTERN "; for non-saponaceous and non-medicated toilet powder and non-saponaceous cosmetic preparations (3). By Crystal Products Co., Ltd., Hook Rise, Kingston-by-Pass, Surbiton, Surrey. 644,156.

" SELTO "; for perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), and essential oils (3). By Selto (Eastbourne), Ltd., 2 The Triangle, Hampden Park, Eastbourne. 645,474 (Associated).

" PSYCHE "; for all goods (3). By Leda Chemicals, Ltd., Alpha Works, 94 Archway Road, London, N.19. 646,261.

" DEBONAIR "; for cosmetic powder boxes (3). By Saxone Shoe Co., Ltd., 113 Titchfield Street, Kilmarnock, Scotland. 646,962.

" Geigy " and D.D.T." in benzine ring diagram linked with a design in which the letters " D.D.T." are superimposed on the Trade Mark " Geigy." Letters " D.D.T." disclaimed; for preparation of dichloro-diphenyl-trichlorethane for use in repelling and destroying vermin (5). By J. R. Geigy Aktien-Gesellschaft, 215 Schwarzwaldallee, Basle, 16, Switzerland. B636,751 (Associated).

" GEIGY " in distinctive lettering and " D.D.T." either side, forming label design. Letters " D.D.T." disclaimed; for preparations of dichloro-diphenyl-trichlorethane for use in repelling and destroying vermin (5). By J. R. Geigy Aktien-Gessellschaft, 215 Schwarzwaldallee, Basle, 16, Switzerland. B636,129 (Associated).

" SULPHETRONE "; for pharmaceutical preparations and substances for human and veterinary use, and sanitary preparations and substances, all consisting of or containing sulphur compounds (5). By Therapeutic Research Corporation of Great Britain, Ltd., 19 Buckingham Street, Strand, London, W.C.2. 636,315 (Associated).

" SYNTROGEL "; for pharmaceutical substances for human and veterinary use, and infants' and invalids' foods, all containing aluminium hydroxyde gel (5). By Roche Products, Ltd., 40 Broadwater Road, Welwyn Garden City, Herts. 642,375 (Associated).

" U-SHU "; for insect repelling preparations for application to the skin (5). By Denis McDermott, 27A Church Street, Runcorn, Cheshire. B644,192.

" NOVOPRASTINE "; for pharmaceutical preparations in tablet form for human use (5). By Hormo-Pharma, Ltd., 4 John Adam Street, London, W.C.2. 644,603.

" CENTRAZOL "; for pharmaceutical preparations containing azole (5). By Gee Lawson Trading Co., Ltd., Orchard House, Orchard Street, London, W.1. 644,819.

" BRITISH SCHERING "; for pharmaceutical products (5). By British Schering, Ltd., 167-69 Great Portland Street, London, W.1. B645,235 (Associated).

" VELSOL "; for menstruation appliances (5). By Vernon & Co., Ltd., Penwortham Mill, Penwortham Mill Lane, Preston. 645,315 (Associated).

" KODAPRIN "; for pharmaceutical preparations and substances (5). By Ayrton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool. 645,337.

" SELTO "; all goods, except medicated toilet paper, medicated paper handkerchiefs, medicated paper towels, medicated paper pads for lavatory seats and sanitary towels (5). By Selto (Eastbourne), Ltd., 2 The Triangle, Hampden Park, Eastbourne. 645,475 (Associated).

" MALACRIN "; for all goods (5). By May & Baker, Ltd., Dagenham, Essex. B645,580.

" SLEEK " in distinctive lettering; for surgical tapes and bandages (5). By Sleek, 103 Handside Lane, Welwyn Garden City, Herts. B645,849.

" HERETOX "; for insecticides (5). By Heresite & Chemical Co., 822 South 14th Street, Manitowoc, Wisconsin, U.S.A. 645,887.

" NUROLETS "; for medicated tablets for human use (5). By A. de St. Dalmas & Co., Ltd., Dalma Works, Junior Street, Leicester. B646,121.

COMING EVENTS

Tuesday, May 27

DURHAM COUNTY BRANCH, PHARMACEUTICAL SOCIETY, Pattinsons' Cafe, 56 Old Elvet, Durham, at 7.30 p.m. Annual meeting.

INSTITUTE OF CHEMISTS-OPTICIANS, King George's Hall, Y.M.C.A., Great Russell Street, London, W.C.1 (near Tottenham Court Road Underground station), at 7.30 p.m. Show of medical and scientific films.

Wednesday, May 28

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Annual meeting; Mr. F. C. Wilson (a member of Pharmaceutical Society's Council) on " Pharmacy —Then, Now and in the Future."

Thursday, May 29

CHEMISTS' SICKNESS AND PROVIDENT SOCIETY, 4 Queen Square, London, W.C.1, at 12 noon. Annual meeting.

BIRMINGHAM PHARMACEUTICAL ASSOCIATION is arranging a dinner and dance party to see " Twelfth Night " at the Shakespeare Memorial Theatre, Stratford-on-Avon, on Wednesday, June 18. Applications with remittances (inclusive cost for dinner and theatre, 15s.) should be sent to Mr. D. J. Rushton, 1088 Stratford Road, Birmingham, 28, not later than June 4.

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VOLUME

Page 137

Chemicals

MAGNESIUM STEARATE

A basic stearate of magnesium containing 7 to 8% magnesium oxide.

Properties. A soft, white, bulky, odourless, neutral, impalpable powder, free from any harsh or gritty particles. Insoluble in water. Usually contains a proportion of palmitate and smaller amounts of oleate. Soluble in white oil on heating, setting to a transparent jelly on cooling.

Standard. Bulk packing density about five pounds per cubic foot. The usual grade is "cosmetic" and as such must be soft, smooth and uniform and free from gritty particles, dirt, water soluble impurities and mineral acids.

Uses. Magnesium stearate is used very largely in the formulation of cosmetic powders, nursery dusting powders, talcum powders, compacts, etc. Its qualities of fineness of texture and adherence to the skin makes it an essential ingredient in these products. Being entirely non-poisonous, it has replaced zinc stearate in many cases, particularly dusting powders. Magnesium stearate is now used extensively by tablet makers as a lubricant and excipient and replaces talc and similar materials for this purpose.

Packages. Paper-lined hessian bags—56 lbs. nett.

Manufacturers: **THOMAS TYRER & Co. Ltd. Stratford, London, E.15**

ACIDS (Pure)

BISMUTH SALTS

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ETHER ANÆSTHETIC B.P. and METHYLATED

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GRAESSER SALICYLATES
LIMITED
Manufacturers of Fine Chemicals
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PHENYL SALICYLATE
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Available in the form of Crystalline Powder for which we invite your enquiries

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or POWDERED

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WHOLESALE DRUGGISTS
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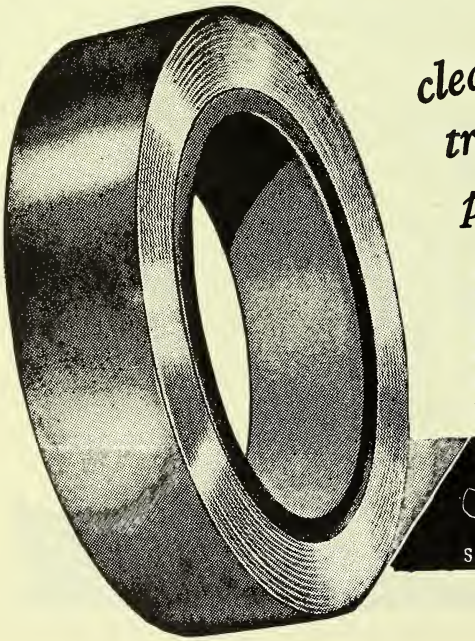
Specialists in Crude Drugs



clear or coloured
transparent or opaque
plain or printed

SELLOTAPE, in handy-sized rolls, seals instantaneously. Modest in cost. Printed to choice, is widely used by manufacturing, wholesale and retail chemists for sealing and labelling and bundling in striking yet tasteful fashion. Ask for particulars.

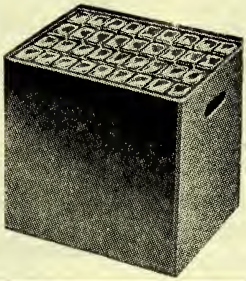
GORDON & GOTCH LIMITED,
Dept. CD4, 75/9, Farringdon Street, London, E.C.4

Sellotape
SELF-ADHESIVE CELLULOSE TAPE

"National" Dispensing Bottles

are Strong, Serviceable and Sure-selling

NEATLY PACKED IN 6 DOZEN RETURNABLE CARTONS



★ *CONVENIENT IN SIZE*
★ *EASY TO HANDLE*
★ *UNIFORM IN QUALITY*

SCREW CAPS SUPPLIED IN WHITE-ENAMELLED METAL

Vials

of "NATIONAL" quality

Ranging in size ½ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types.

MANUFACTURED IN BEST QUALITY WHITE FLINT, AND PACKED IN RETURNABLE CARTONS

Restrictions outside our control may not allow us to meet every requirement

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ZEAL

Clinicals

The Choice of Experts

BRITISH MADE

NO HIGHER IN PRICE THAN NONDESCRIPT MAKES

Also Household, Bath and Works Thermometers, the best of their kind

G.H. ZEAL LTD.
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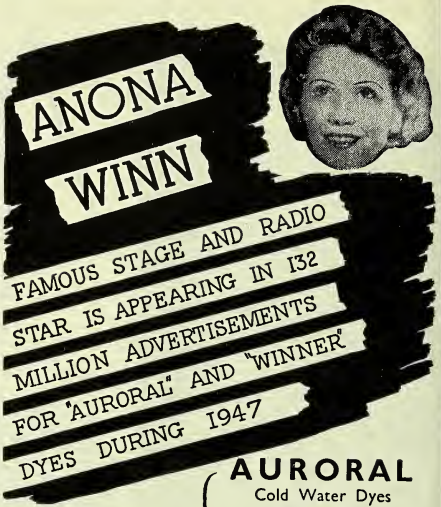

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Cold Water Dyes
48/- GROSS

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24/- GROSS

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★ EKEM ★

VACUUM FILLING MACHINE

Brings to the Chemical and Food Industry today next-century rapidity, efficiency and hygiene for all bottle-filling requirements.

The EKEM Vacuum Filling Machine is adaptable for dealing with all quantities and qualities of liquids to be filled into bottles, tins or other containers, no matter whether the liquid is thick or thin.

Its operation puts the correct measurement into each container and no wastage or drips are possible. The machine is compact, trouble free, simple to operate enabling it to be installed in confined spaces.

The EKEM Vacuum Filling Machine is now available from stock, tested, guaranteed and complete at £67. Demonstration for your particular requirements can be arranged on request to Dept. TM5.

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THE CONTAINER PEOPLE

Containers of Metal Glass, Aluminium and Plastic

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THE RELIABLE
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ALL ELASTIC SANITARY BELTS
EDOSAN LTD. 189, CARLTON VALE, LONDON NW6.

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ENQUIRIES TO
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The Chemist's Moth-killer!

FLYOLIN IS NEW! It's a genuine moth killer—just what women have been wanting for years.

BACKED BY AN ENTOMOLOGIST'S REPORT.....

A leading entomologist's report confirms that FLYOLIN kills moth-larvæ in 3 days and renders sprayed material fatal to moths settling, and to larvæ deposited upon it. A full copy of this report will gladly be supplied by the manufacturers on request. FLYOLIN is a genuine product, made to meet the demand for a really effective anti-moth preparation.

PRODUCED BY FUBEX LIMITED
MAKERS OF
FLYOL/DDT

FLYOLIN renders clothes, furs and fabrics moth-proof without leaving stain, trace or smell. It contains D.D.T. and I.C.I. "GAMMEXANE." It sells at 3/6d. per bottle (packed 2 dozen per carton). Counter and window display material are available, and we will install Window Displays free of charge. Backed by magazine and poster advertising, FLYOLIN yields you 50% profit on outlay.

Show, advocate and Sell with confidence new Moth and larvæ killer **FLYOLIN**

FUBEX LIMITED, 27 ALBEMARLE STREET, LONDON, W.1.

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SQUARES
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WHITE
GREY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
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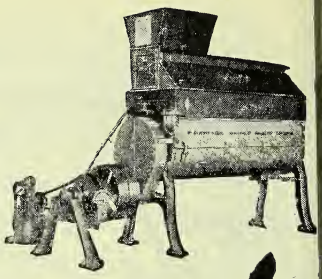
PURE ENGLISH FILTERING No. 65 SNGD POSTLIP MILLS

Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers.

Evans, Adlard & Co. Ltd
Postlip Mills, Winchcombe, Cheltenham

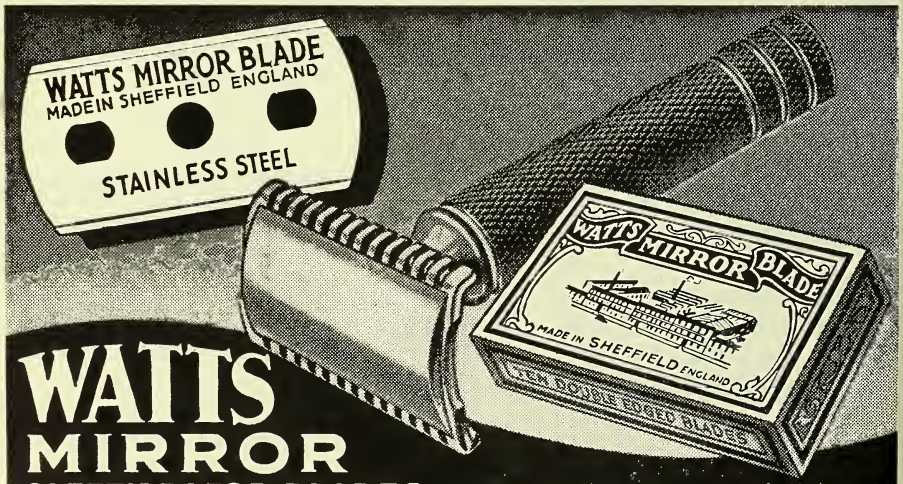


3 in one!

This machine, besides sifting and mixing powders to perfection, incorporates an automatic sprayer for either replacing lost moisture, adding flavour or perfume, or securing uniform tinting. It does its job efficiently, rapidly and economically.

GARDNER'S Patent 'RAPID'
SIFTER, MIXER & ESSENCE SPRAYER

WM. GARDNER & SONS (GLOUCESTER) LTD.
GLOUCESTER *Telephone : 2288 (3 lines)*
LONDON : 19 Grays Inn Chambers, 20 High Holborn, W.C.1.
Telephone : Chancery 7347



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MIRROR
SAFETY RAZOR BLADES
MADE THROUGHOUT FROM STAINLESS STEEL
- KEENER EDGES
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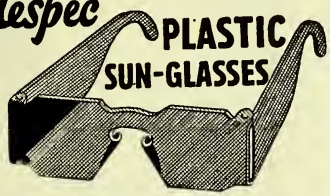
- LONGER SERVICE

JOHN WATTS
(SHEFFIELD & LONDON LTD)
LAMBERT WORKS, SHEFFIELD. 3
LONDON: 18, SOHO SQUARE, W.1.

YOU HAVE SEEN OUR —

"Protespec"

REG. DESIGN No. 845798



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VANITIES (LONDON) LTD.

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Retailers' enquiries will be passed on to wholesalers

NOW:–

"Protespec Junior"

FOR CHILDREN

Just out!

A NEW, MODERN

SOLUBLE TOWEL

Designed to give maximum efficiency and comfort, packed with scrupulous cleanliness and care—women will vote high marks for this new Velvet product.

Obtainable through all wholesalers.

RETAIL AT 1/6 A PACKET

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Manufactured by
Velvet Crepe Paper Co. Ltd., Alperton, Middx.

A VELVET PRODUCT · A VELVET PRODUCT · A VELVET PRODUCT · A VELVET PRODUCT ·

"It's a healthy sign to have a strong Savings Group"

When so many firms are unsettled by staff changes and reconversion, vigorous Savings Groups can do a lot to foster good feeling, and help newcomers to settle down—besides being the simple and straightforward way of saving, for everybody in industry. It needs a strong lead from managements, and the right individuals running things, to make group saving a real success. Where this happens, the nation, the firm, and the employee all benefit.

New groups
If you have no Staff Savings Group, will you get one started right away? Every place of employment should have its own Group.

Facilities
Experience shows that the fullest facilities induce the highest Savings. Ask your Local Savings Committee or Assistant Commissioner for details of the various schemes.

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If you have a Savings Group, will you do all you can to encourage the Staff to join?—'every employee a group member' should be the aim.

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These are the ideal way of saving for holidays, Christmas or other special occasions. Clubs are popular, easy to run and need not interfere with your Savings Group.

Information, equipment and publicity material are provided free of charge—apply to your Local Savings Committee or to the National Savings Committee, Sanctuary Buildings, Westminster, S.W.1

It's easier to save in a

STAFF SAVINGS GROUP

Issued by the National Savings Committee

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LINTS · BANDAGES
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ONLY WHOLESALERS SUPPLIED

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LI-LO news

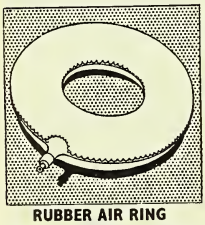
PRE-WAR LINES

And some new ones, too

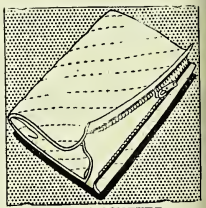
1947 SEES US getting back into production with many of the favourite and best-selling surgical goods of before the war. In addition to these established Li-Lo successes we are adding new items, including the Whirling Spray (shown here), " Travelette Spray " and an extensive range of surgical and domestic goods in plastic.

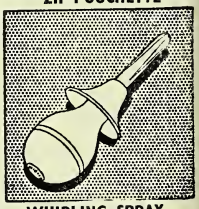
Write for trade terms to the exclusive makers of Li-Lo Products :—

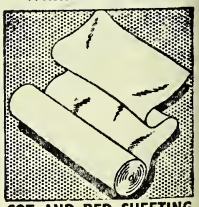
P. B. COW & CO. LIMITED. ESTABLISHED 1836
12, HAY HILL, BERKELEY SQUARE, LONDON, W.1.
TEL: REGENT 7401 (10 LINES)


RUBBER AIR RING

CIRCULAR TOILET BAG


ZIP POUCHETTE


WHIRLING SPRAY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OPTREX

PRODUCTS

OPTREX: A scientific eye lotion, sterile, and carefully balanced in its ingredients, which is produced under conditions of clinical asepsis. Approved by doctors, oculists and opticians; can safely be used for all eyes, of all ages, at all times.

FAMEL SYRUP: For coughs, colds, influenza and bronchial troubles. Gets to the root of the cough because it contains soluble Lacto-creosote, which goes to the lungs and breathing passages and there destroys the germs.

★ **OPTULLE:** An open-mesh, sterile, non-adherent dressing, impregnated with a special petroleum compound. Mildly antiseptic and non-irritant. Greatly facilitates dressing and re-dressing of burns, septic wounds, indolent wounds, sloughs, varicose ulcers and fractures. Packed in tins, containing 24 pieces, also in continuous strips 5 yards long by 8 inches wide.

★ **SULPHANILAMIDE TULLE** (*Optrex Brand*): Of outstanding value for treatment of burns, and in other cases where sulphanilamide is indicated. An open-mesh dressing impregnated with an emulsion containing 10% Sulphanilamide. Supplied in a small light compact case. In continuous strips, 5 yards by 3½ inches, ready for instant use.

★ **SULPHANILAMIDE TULLE CREAM:** Sulphanilamide Tulle Cream is supplied in tubes. It can be used as an ointment or applied on a sterile spatula direct to a diseased or injured area, or spread on gauze, linen or oiled silk.

★ Sole Distributors for Optulle and Sulphanilamide Tulle:

CHAS. F. THACKRAY LTD., THE OLD MEDICAL SCHOOL PARK STREET, LEEDS, and 252 Regent Street, London, W.1

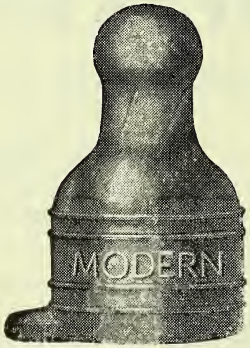
All these products are manufactured by:

PERIVALE **OPTREX Ltd.** MIDDLESEX

The "MODERN" TEAT

ANTI-COLIC. RECOMMENDED BY HOSPITALS, DOCTORS AND NURSES

- Ball Top, one-hole perforation, ensuring constant and steady flow.
- Buffer shoulder protects baby's mouth.
- Tab enables teat to be slipped over bottle in an instant with minimum handling.



- General Resiliency MAKES IT NECESSARY FOR BABY TO WORK JAWS THEREBY RESEMBLING THE NATURAL NIPPLE.
- Collar ensures firm grip on bottle which CANNOT BE PULLED OFF BY BABY.
- Will stand repeated STERILISATION.

MODERN in design and must be TRIED to be appreciated

NEAREST TO NATURAL FEEDING

The "MODERN" Teat has been specifically designed to meet the needs of both MOTHER and BABY, and what is of vital importance in these days—it LASTS LONGER. It is hygienic, odourless and tasteless.

Fixed Retail Selling Price 6d. each. Obtainable of all Wholesalers. P.A.T.A.

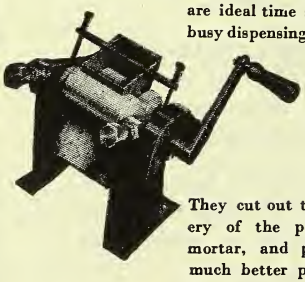
WHOLESALE ONLY FROM :—

THE CANNON RUBBER MANUFACTURERS LTD., LONDON, N.17

for refining creams, ointments, etc.

PASCALL ROLLER MILLS

are ideal time savers for busy dispensing chemists.



They cut out the drudgery of the pestle and mortar, and produce a much better product in far less time. Available with porcelain rolls 2" dia. × 4" long.

Write for list CD 3.

THE PASCALL ENGINEERING CO. LTD
114 LISSON GROVE, LONDON, N.W. 1

INJECTA SURGICAL CO., LTD.

Surgical and Veterinary

Syringe MANUFACTURERS

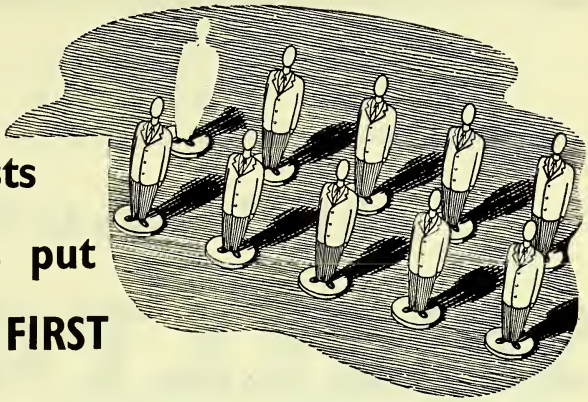
Syringe barrels hand ground and individually fitted with German Silver Plungers. All fittings manufactured from turned brass and heavily Nickel-Plated.

Durable and resistant to corrosion.

New barrels fitted to own Syringes.

21 LITTLE PORTLAND ST., LONDON, W.I.

TELEPHONE : MUSEUM 1310



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89.4% of chemists interviewed said "The rst aid dressing the public most frequently k for by name is ELASTOPLAST." his is one of the findings of a recent trade rvey. ELASTOPLAST is the first aid ressing your customers want. Today, as we now, many who ask are unable to get it — supply is still severely restricted. But count them in when assessing future sales. It is the dressing they rely on.

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S M I T H & N E P H E W P R O D U C T

Now in prompt Supply

Selka

The

Quality Brand

of Surgical Rubber Goods
Finest and most reliable!

SELKA LTD.

23 DERING ST., BOND ST., LONDON, W.1
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Factory: TRADING ESTATE, SLOUGH, BUCKS

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TRADE MARK

THE NEW ELECTRIC STERILIZER

Makes the Sterilization and Assembly of Syringes Safe and Foolproof.

PRICE £5 - 15 - 0

Working Capacity 1 Pint.... Boils in 10 Minutes. Overall Dimensions 8¾" High and 4½" Diameter of Base.

SURGICAL EQUIPMENT SUPPLIES LTD

WESTFIELDS ROAD, LONDON, W.3

Name of Local Dealers on request

TAYLOR 698

Flies will soon be troublesome in homes, and business will be good for SHELLTOX—the new SHELLTOX that deals positively with all household insect pests.

start showing SHELLTOX!

Nation-wide advertising is telling how SHELLTOX double-action kills flies, bluebottles, mosquitoes, clothes moths, silver fish, cockroaches. Wherever SHELLTOX is shown, SHELLTOX will sell briskly. Start showing SHELLTOX now in your windows, on your counters! SHELLTOX means business!

★ Show the new SHELLTOX sprayer too. Streamlined, powerful, non-dripping, it means extra sales.

★ Ask the SHELLTOX representative for the new SHELLTOX window bills and showcards—to link your displays with the national advertising.

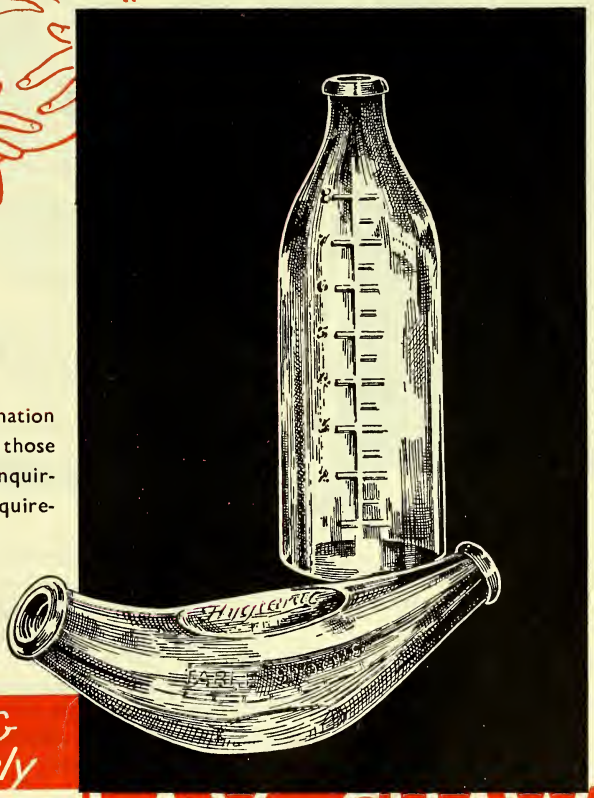
Be sure your stocks are big enough!

SHELL CHEMICALS LIMITED (Distributors) Head Office: 112 STRAND LONDON, W.C.2

INFANT FEEDING BOTTLES

ESSENTIAL FOOD AND DRUG CONTAINERS, MEDICAL FLATS AND PANELS, ETC., ETC.

The essential needs of the nation still demand priority. To those planning ahead we invite enquiries for Glass Container Requirements.



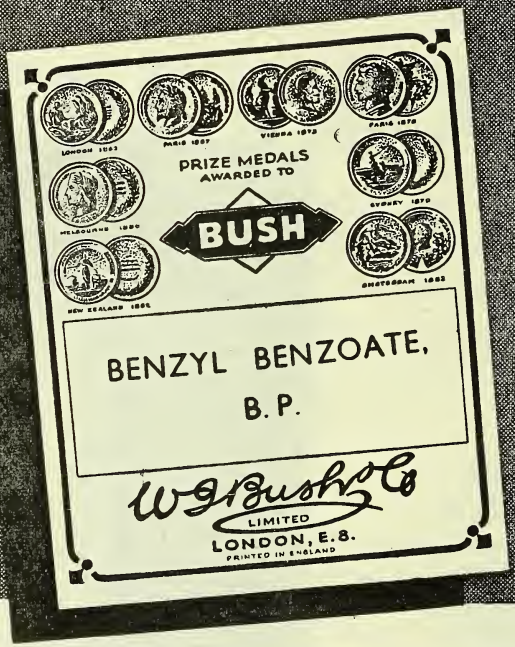
Wholesale & Export Only

London Office :-
28 Ludgate Hill, E.C.4
Telephone : **CITY 7170**

LAX & SHAW *Ltd*

REGD. OFFICES : Albert Glass Works, Hunslet, LEEDS, 10
Telephone: 21568 (2 lines) Telegrams: Feeders Phone Leeds

This is our NEW LABEL



This new label (here produced in black and white owing to printing restrictions) provides greater clarity of subject and more detailed information whilst retaining essential features which have for so long been familiar to our friends throughout the world.

We are confident that our new label will further enhance the acceptability of our products which in all other respects remain unchanged and which retain the same high quality that has been our tradition for nearly a hundred years.

BUSH

Branches throughout the World

W. J. BUSH & CO., LTD., LONDON, E.8. ENGLAND

bandbox *shampoo*

NATIONALLY ADVERTISED

30,000,000 women constantly see this famous curl in the National Press. Bandbox is now their number one shampoo. Repeat sales leave no doubt of this. Bandbox removes all dandruff, dust and surplus oil. Leaves no deposit. Rinses out quickly. Bandbox leapt into fame overnight and no wonder !

2/- size 13/6 doz
3/9 size 25/6 doz } **plus 33⅓% purchase tax . . . shows you over 30% on selling**
7/6 size 51/- doz

ASHE LABORATORIES LTD · 120 VICTORIA ST · SW1 · ALSO LIVERPOOL & GLASGOW

Asthma

ONE Do-Do TABLET *may easily prevent a threatened attack*

•

INTERNATIONAL LABORATORIES LTD.

1-3 Smedley Street, London, S.W.8

Telephone : MACaulay 3481. Telegrams : PARMINTUS, CLAPCOM, LONDON

Gillette blades are now in better supply and your wholesaler should be able to fill your reasonable needs.

If you are having any difficulties, please write to us, mentioning your wholesaler's name and address.

* GILLETTE INDUSTRIES LIMITED

Gillette Corner, Great West Road

Isleworth, Middlesex.

STREPH

THE COMPLETE ANTISEPTIC

Safe in use
Sure in action

A JEYES' PRODUCT

FOR MEDICAL & PERSONAL USE

STREPH IS APPROXIMATELY
THREE TIMES THE STRENGTH OF
LIQ. CHLOROXYLENOLIS OR
LIQ. CRESOLIS SAPONATUS

4oz. Bottle, in attractive carton, 1/9 (*inc. Tax*)
Pharmacists' Discount 33⅓%

National Advertising Campaign

Advertised in Medical Press

Detailed literature on request

JEYES' LABORATORIES LTD.
LONDON, E.13

GOOD NEWS FLASH

Wanie BLADES REDUCED TO

1½D each Including Purchase Tax

TRADE PRICE: 9/9 per gross, PLUS 3/3 per gross Purchase Tax

NOW AVAILABLE

OBTAIN YOUR SUPPLIES FROM YOUR USUAL WHOLESALER. IF ANY DIFFICULTY *Apply to:*

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Tintex

THE WORLD'S
LARGEST-SELLING
HOME DYE

LABELS OF DISTINCTION

For Wholesale Manufacturing & Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

Send for our extensive sample range

CARILLON PRESS LTD

Artists in the Production of Fine Labels

BOURNEMOUTH

MONEY IN YOUR TILL

Make your own finest quality toilet preparations quickly, easily, from our Emulsifiers. Just melt the Emulsifier and stir in hot water.

We can supply all your requirements—

RAW MATERIALS, BOTTLES, JARS, LABELS, PERFUMES AND DYE STUFFS

Send stamp for price list and

SPECIAL OFFER

THE

British Surgical & Drug CO., LTD.

40 SACKVILLE STREET, LONDON, W.1.

Phone REGent 7200 (10 lines)

A.

OZONOL *is back—for your* "HOME" TRADE

You can now satisfy the demand for both OZONOL Air Purifiers and Refills. National advertising is in preparation and free window displays gladly arranged.

PRICES

Complete 42/- per doz. plus 8/- P.T. *(Retail 5/4).* Refills 18/- per doz. Tax Free. *(Retail 2/-).*

Orders fulfilled in strict rotation until supplies are normal.

OZONOL LABORATORIES (1930) LTD.
NEW WHARF ROAD · LONDON · N.1

PROFITABLE LINES

Always in **DEMAND**

BLADES
RETAIL PRICE . . . 1½d. each

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Manufactured by

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Distributors In Scotland and Northern Ireland
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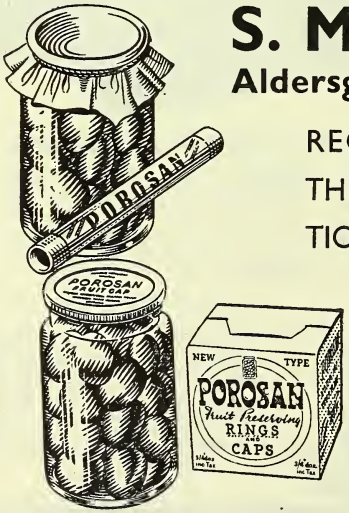
S. MAW & SONS LTD.

Aldersgate House, Barnet, Herts.



REGRET TO ANNOUNCE THAT THE WHOLE OF THEIR ALLOCATION FOR 1947 OF THE POPULAR **POROSAN** CAPS AND RINGS IS NOW SOLD

Limited supplies of ***POROSAN*** *Fruit-preserving Skin are still available.*

POROSAN LTD. 65/66 Chancery Lane, W.C.2

SHERLEY'S always make Regular Customers!

o be sure of a fair share of the big, gular demand for the Sherley's eparations please order well ahead— r empty shelves can only mean disap- pintment. There is no treasure like a gular customer. He is the mainstay of ofitable trading; a source of valuable od will. Adequate stocks of Sherley's og and Cat Medicines will keep the regulars" happy and turn many a casual" into a good friend.

HERLEY'S DOG MEDICINES

. SHERLEY & CO. LTD., 16/18 MARSHALSEA ROAD, LONDON, S.E.1

A reputation for reliability . . .

"Sentinel"

ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"

SIZES 1, 2, 3 AND MATERNITY

also

'KUMFEX' SOLUBLE

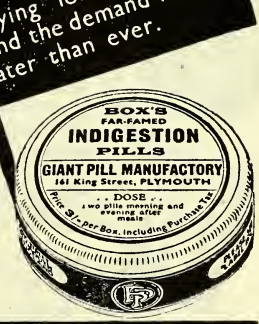
(all with loop ends)

★ *Supplies unfortunately restricted at present*

SPLENDOR LTD. Nottingham & London

PUBLIC GOODWILL

Box's Pills have kept this Flag Flying for over 50 years and the demand now is greater than ever.



P.A.T.A.

PRICES
(Inc. P. Tax)
1/3 3/-
4/10½
12/- & 21/9

Box's Pills

W. H. BOX
161
KING STREET,
PLYMOUTH.

CASTELLAN No. 10 COUGH MIXTURE

Owing to the great increase in costs of manufacture, we are obliged to advance the wholesale and retail prices which, as from Monday, 19th May, '47, will be as follows—

4 oz. Retail 2/3 inc. tax.
Wholesale 18/- per Doz.

8 oz. Retail 3/8 inc. tax.
Wholesale 29/3 per Doz.

2 oz. Cough Syrup for Children
Retail 1/4 inc. tax.
Wholesale 10/6 per Doz.

All Wholesale Prices subject to 16⅔% tax.

The continued shortage of bottles makes it impossible to fill all orders, but available supplies are being distributed with utmost fairness.

JOHN McGUFFIE & COMPANY LIMITED
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IMMEDIATE DELIVERY

Increase Sales and Goodwill by Selling The Genuine

UNITY
DDT/GEIGY
FLY AND MOTH PAPERS!

2d. RETAIL PRICE 2d.

The *first* DDT/Geigy Fly and Moth Paper was produced in our Laboratories in 1945.

Our Papers are produced on a special absorbing covered boarding, specially treated before covering and printing.

Sample 1 gross lots 18/-. Carriage paid. Cash with order.

Wholesalers and Agents send for sample and quotation.

THE UNITY PACKING CO.
"The Grange," Oakland Road
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Laboratories - Sutton-in-Ashfield 677

2,000,000 people will see this Poster

THROUGHOUT THE SUMMER

Be ready for a big demand. Limited supplies only available.

Order your quota now!

Retails 2/6 Inc. P.T.

BRONTAN, LTD.
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ASHFIELDS ROMANY HERBS

THE NATURAL THING TO TAKE

A natural treatment for

RHEUMATISM
CONSTIPATION and
ALL IMPURITIES OF THE BLOOD

Presented in a Gay Romany Pack

Retail 1/4½ inc. Tax — Wholesale 8/6 doz. plus Tax

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please apply for terms and sample to
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2 Percy Street, Belfast

An advance in

Asthma

medication

Respaton

TABLETS

Indication

Respaton Tablets are specially indicated for the speedy relief of Asthma, Bronchial Asthma, Bronchitis, Emphysema and cognate ailments.

Action

Respaton Tablets are: Antispasmodic, Antipyretic, Analgesic, Sedative.

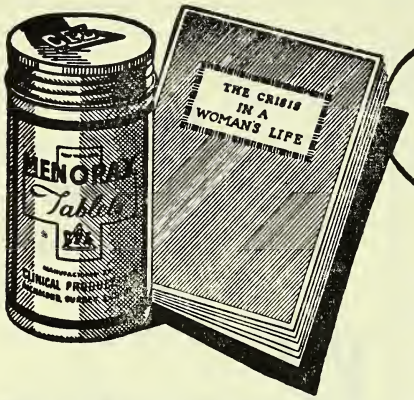
Formula

Ephedrine Hydrochloride ...	¼	*grain*
Ext. Bellad. Sicc. B.P. ...	1/10	,,
Dioxyamidopyrine	½	,,
Ipecac. Pulverat. B.P. ...	½	,,
Theobromine	2/8	,,
Calcium Lactate	3/8	,,
Lactose	3/8	,,

Respaton Tablets are now being introduced to the Medical Profession. Chemists would be well advised to lay in a small stock in anticipation of prescriptions.

In Bottles 25 tablets 3/11½d.; 100 tablets 14/1d., inc. P.T. Usual trade terms.

MEDICAL SPECIFICS LTD.
West India House
Maryland Street, Liverpool, 1.



The Book behind the Product

"THE CRISIS IN A WOMAN'S LIFE"
(26th EDITION)
deals informatively with the Menopause—a problem which interests all women of middle-age. The enterprising chemist should always have a few copies prominently displayed so that interested customers can take one.

These booklets are supplied to Menopax stockists only—with or without orders For best terms for Menopax Preparations apply to the

Sole Distributors:
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Aldersgate House, New Barnet, Herts

MENOPAX

Manufactured by: CLINICAL PRODUCTS LTD. RICHMOND, SURREY

NOW AVAILABLE

Eade's UNIVERSAL ANODYNE

RETAIL (Inc. Pur. Tax)		WHOLESALE (Plus Tax)
1/5		11/3 doz.
3/4½	P.A.T.A.	27/- doz.

EADE'S RHEUMATIC & GOUT PILLS

RETAIL (Inc. Pur. Tax)		WHOLESALE (Plus Tax)
1/5		11/3 doz.
3/4½		27/- doz.
5/8	P.A.T.A.	46/- doz.

EADE'S PILLS LTD. (Dept. C. & D.)
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Fortifies Food...

● A little VIRDOX sprinkled over food or in beverages adds valuable yeast vitamins to the ordinary diet. Recommended to correct malnutrition, digestive troubles, lassitude, anæmia and "nerviness." Retailing at 3/6 per 8 oz. tin, VIRDOX is a profitable line for all Chemists.

Write today for full details of generous Trade Terms.

Home and Overseas Agents required.

VIRDOX REGD. **nutrition**

VIRDOX, 75, KINGSWAY, LONDON, W.C.2

RENOIDS

(. KNOX'S BACK & KIDNEY PILLS)

NEW PACK
IN DISPLAY OUTERS

Now freely Available

RETAIL **1/3** inc. Tax

9/- dozen + ⅙ Tax

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Stoke-on-Trent) Ltd., JAYNOX WORKS
KINGS ST., FENTON, Stoke-on-Trent.
Midland) Ltd., 36/38 DEAN STREET,
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CONTROL OF HEAD LICE

ts and Head Lice can now be dealt with ickly and economically without unpleasant dence of treatment.

N.W.F. formula now being used exten- ely by Public Health Authorities.

'Semprolia' BRAND

EDICATED (LETHANE) HAIR OIL N.W.F.

Insecticide for control of Nits and Head Lice

★

EMPROLIA' MEDICATED (LETHANE) HAIR OIL IS URGENT AND RAPIDLY INCREASING DEMAND

tail (2-oz.) 1/1½d. including P.T.
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P.A.T.A.

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gents in Eire—May Roberts (Ireland) Limited, Dublin

Mineral deficiency will remain a serious problem for many years. In many instances prolonged rationing has reduced mineral reserves to danger point.

For expectant and nursing mothers and all young children a daily supplement is essential. That is why doctors and clinics prescribe Calfos, the easily-assimilable way to take the vital natural minerals, calcium and phosphorus in particular.

Six Calfos Tablets daily will enable every mother to bear a healthy child without loss or damage to her teeth or bone structure. For children Calfos means sound bone and teeth. Calfos increases resistance to illness, provides a real national health insurance.

CALFOS REGD.
Natural Mineral TABLETS

Please write for Trade Terms

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Chemicals for the Pharmacist

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PHOSPHORIC ACID
SODIUM PHOSPHATES
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SODIUM METAPHOSPHATE (CALGON)
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A WONDERFUL NEW TAMPON SPECIALLY DESIGNED FOR INTERNAL WEAR, SIMPLE IN USE YET COMPLETELY SAFE AND UNBELIEVABLY COMFORTABLE, A SOFT GAUZE SACHET SURROUNDING EACH INSERT ENSURES PERFECT ANATOMICAL FITTING AND ENABLES THE TAMPON TO BE REMOVED COMPLETELY WITHOUT THE SLIGHTEST RISK OF DISINTEGRATION

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OBTAINABLE FROM ALL THE LEADING WHOLESALERS
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IF ANY DIFFICULTY IN OBTAINING NECESSARY SUPPLIES
MAIL US DIRECT. EXPORT QUOTA AVAILABLE

LUNA INSERTS LTD. 24 HIGH STREET LONDON, E1

Better news for Bemax users

In recent Press announcements we have stated that we were doing our utmost to make more Bemax available to those outside the priority classes.

These, you will remember, are (1) hospitals; (2) those needing Bemax on medical grounds; (3) expectant and nursing mothers; (4) children and the aged.

They are singled out for preferential treatment because of their greater, more urgent need of vitamin B of which Bemax is the richest dietary source.

BEMAX TABLETS

In our new Bemax tablets, many people will find an ideal alternative to Bemax. The tablets are a vitamin B supplement with uses similar to those of Bemax itself. They contain 50 per cent. Bemax, are palatable and should be chewed.

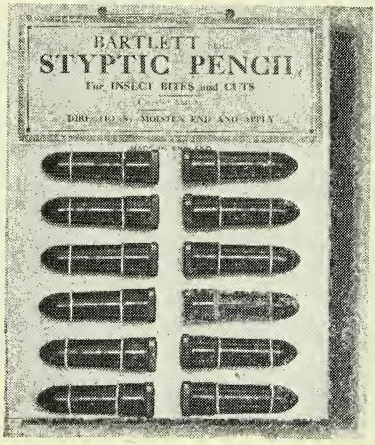
The suggested dose of two tablets three times a day supplies 200 international units of vitamin B_1—approximately the amount provided by the daily dose of Bemax.

Bemax Tablets are available in cartons containing 60 or 120 tablets retailing at 1/6d. and 2/6d. respectively. Trade discounts 33⅓%. Minimum parcel of 1 doz. 1/6d. and 1 doz. 2/6d. sizes.

Our current advertisements in the daily papers tell the public to try Bemax Tablets when they are unable to get all the Bemax they need.

All other lines—Complevite, Pregnavite, Fertilol, Befortiss and the pure vitamin preparations—in reasonable supply.

Vitamins Limited, Upper Mall, London, W.6.



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STYPTIC PENCIL
in bakelite case
4/- per dozen on card

Order from your usual Wholesaler
ALFRED FRANKS & BARTLETT Co. Ltd
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announce that they are able to offer Prompt Delivery of their pure

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Cough Linctus

a popular product at a popular price, made from *real* Lemon Juice, *pure* Honey and Glycerine. The ingredients speak for themselves—you cannot afford not to stock this quick-selling line.

Ask also for particulars of our other pure food products.

Trade terms from
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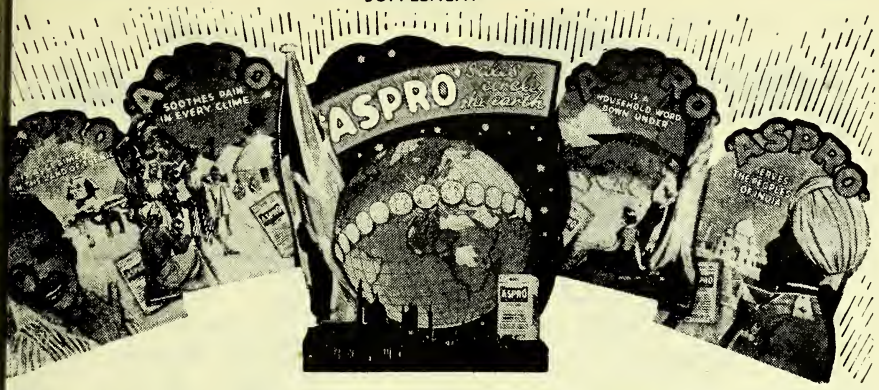

A GRAND DISPLAY

AND A GRAND SELLER!

Have you seen it?

e new 'ASPRO' display is a credit to any window. is attractive—and effective. It makes the passer-by op, and look—and it turns passers-by into customers a record rate. Window space devoted to 'ASPRO' space that REALLY pays because national adver- ing and proved service have made 'ASPRO' a oduct which MOST PEOPLE WANT. Nine times t of ten, people already have it in their minds buy 'ASPRO', and a display turns the thought to a purchase—in your shop. Your customers ultiply—sales in your other lines increase. ou are, in fact, tapping a great reservoir of ublic demand, for

PUT THE DISPLAY IN YOUR WINDOW AS SOON AS YOU GET IT

P.A.T.A.

'ASPRO' HAS THE LARGEST SALE OF ANY MEDICINE OF ITS KIND IN THE WORLD

The above display is now available. If you have not already received one, cut out and send us this coupon—the display will be posted back by return.

ASPRO REG. TRADE MARK

Made in England by ASPRO LTD., TRADING ESTATE, Slough, Bucks

Please send me the new 'ASPRO' display

Name .....

Address .....

.....

POWDER PUFFS

Finest-Quality

the sign for quality products MADE IN ENGLAND

'FABULO'

The well known Metal Curlers

Both lines our own manufacture

TWEEZERS, NAIL FILES, SCISSORS (All kinds), TOOTH BRUSHES, NAIL BRUSHES, ALL KINDS OF COMBS, HAIR GRIPS and HAIR NETS, etc.

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HAETAM LTD

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LIPSTICKS and REFILLS

Cosmetized from our exclusive American Formula into the Season's latest shades

★ YOU ARE SUPPORTED BY EXTENSIVE ADVERTISING ★

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Soap Shampoos are **ALWAYS** *in Demand*

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SOAPLESS SHAMPOO

"*Rosemary*"

MANUFACTURED MARCOLAND IN GRADUATE RECORD AND CONDITIONING CREAM AND BASTRAM AND NORTHO MOULDS

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KOKO FOR THE HAIR

50 years' reputation as

HAIR TONIC and DRESSING

PROMOTES GROWTH

STOPS FALLING HAIR

CLEARS DANDRUFF

Delightfully perfumed

Thousands of testimonials

In limited supply from Wholesalers

KOKO MARICOPAS CO. LTD., 3, Fleet Lane, E.C.4

REVISED PRICES

A. & R. SCOTT LIMITED

IN consequence of the withdrawal of subsidy on and after 30 March, 1947, resulting in the increase in price of all Oat Products, prices for SCOTT'S M.O.F. (MIDLOTHIAN OAT FOOD) and INGLIS FOOD are revised in accordance with the following list:—

PRODUCT	PACK	EX-WHOLESALER PRICE		RETAIL SELLING PRICE
		1 CASE LOTS UPWARDS	RATE FOR LESS THAN 1 CASE LOTS	
M.O.F.	24 1-lb. tins per case	36/9 PER CASE	18/7½ PER DOZEN	2/0 PER 1-lb. tin
INGLIS FOOD	24 1-lb. tins per case	36/9 PER CASE	18/7½ PER DOZEN	2/0 PER 1-lb. tin

M.O.F.

(Midlothian Oat Food)

The Fortified Infant Cereal Food—normally started at 4-5 months as an introduction to mixed feeding and can be continued successfully through the toddler stage up to 5 years of age.

INGLIS FOOD

Prepared from partially pre-cooked Oat flour with added minerals and Vitamins B_1 and D — Inglis Food provides nourishment in an easily digestible and pleasant form and is therefore specially recommended for those suffering from Digestive Disorders and during convalescence when nourishment must be provided with the minimum of strain on the digestive system.

A. & R. SCOTT LTD., WEST MILLS, COLINTON, MIDLOTHIAN, SCOTLAND

SEROCALCIN

for the prevention and treatment of COLDS

THE DEMAND FOR THIS SUCCESSFUL AND MUCH PUBLICISED PREPARATION IS ENORMOUS

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ALL PHARMACISTS ARE REMINDED THAT ORDERS AND ENQUIRIES FOR SEROCALCIN SHOULD NOW BE ADDRESSED TO J. C. ENO, LTD., WATFORD, HERTS. Telephone : WATFORD 7761

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Printed by The Haycock Press, Ltd., 106-140 Neate Street, Camberwell, S.E.5, and Published by the Proprietors, Morgan Brothers (Publishers), Limited, at 28 Essex Street, Strand, London, W.C.2.